

#### Application

The APR-2000GALW transmitter is applicable to the measurement of differential pressure of gases. Typical applications include the measurement of blast pressure, chimney draughts or pressure / underpressure in furnace chambers. The ability to select the radical conversion characteristics enables the transmitter to be used in gas-flow measurement systems using reducing pipes or other impeding elements. The transmitter can withstand overpressure up to 1 bar. The housing of the electronic circuit has the degree of protection IP66/IP67.

#### Configuration, calibration

The following metrological parameters can be configured:

- The units of pressure,
- Start and end-points of measuring range, damping time constant,
- Conversion characteristic (radical, inversion, user's nonlinear characteristic).

Ability to calibrate the transmitter with reference to a standard pressure.

Communication

Communication with the transmitter is carried out with a KAP-03 communicator, some other Hart communicators or a PC with an Hart/USB converter and RAPORT 2 configuration software.

Additionally, the data interchange with the transmitter enables the users to identify the transmitter, read the currently measured pressure difference value, output current and percentage of measuring range.

#### Installation

The economical version can be mounted on any stable construction using the mounting bracket. The transmitter's connection shanks have terminals to be connected to the elastic  $\emptyset$ 6×1 impulse line. Where the pulse comes through a metal pipe, we suggest an M20×1.5 adapter for a  $\emptyset$ 6×1 fitting using.

The transmitter with a C type connector should be mounted on a 3- or 5-valve manifold. We recommend use VM type valves (page IV/ 2).

# **Operating guidelines**

The transmitter should be mounted in a vertical position. The impulse lines should be connected in such a way that any condensed liquids flew off away from the device.

Where there is a significant difference in height between the place where the transmitter is mounted and the place where the pulse is taken, the measurement may vary with the temperature of the impulse line. Connecting a compensating pipe close to the impulse line, from the transmitter's reference connection shank to the height at which the impulse is taken can minimise this effect.

To prevent dust from entering the measuring cells, the impulse lines should be attached with care, with particular attention to the tightness of the connections between the impulse lines and the transmitter.

# **Measuring ranges**

| Nominal measuring range (FSO) | Minimum set range | Overpressure limit | Static pressure limit |
|-------------------------------|-------------------|--------------------|-----------------------|
| 025 mbar (02500 Pa)           | 1 mbar (100 Pa)   | 1 bar              | 350 mbar              |
| -2,52,5 mbar (-250250 Pa)     | 0,2 mbar (20 Pa)  | 350 mbar           | 350 mbar              |
| -77 mbar (-700700 Pa)         | 1 mbar (100 Pa)   | 350 mbar           | 350 mbar              |
| -2525 mbar (-25002500 Pa)     | 5 mbar (500 Pa)   | 1 bar              | 1 bar                 |
| -100100 mbar (-1010 kPa)      | 20 mbar (2 kPa)   | 1 bar              | 1 bar                 |

## **Meterological parameters**

| Nominal range | 025 mbar           | -2,52,5 mbar      | -77 mbar         | -2525 mbar       | -100100 mbar       |
|---------------|--------------------|-------------------|------------------|------------------|--------------------|
| Accuracy      | $\leq \pm 0,075\%$ | $\leq \pm 0,25\%$ | $\leq \pm 0,1\%$ | $\leq \pm 0,1\%$ | $\leq \pm 0,075\%$ |

| Thermal error                       | < ±0,1% (FSO) / 10°C   |  |  |
|-------------------------------------|------------------------|--|--|
| max. ±0,4% (FSO) in the wh          | ole compensation range |  |  |
| Thermal compensation range          | -1070°C                |  |  |
| Additional electronic damping       | 030 s                  |  |  |
| Error due to supply voltage changes | 0,002% (FSO) / V       |  |  |

# **Electrical parameters**

| Power supply    | 1055 VDC (Exia 1       | 10,530 VDC)                                      |
|-----------------|------------------------|--------------------------------------------------|
| Output signal   | 42                     | 0 mA + HART                                      |
| Load resistance | (for standard version) | $R[\Omega] \le \frac{U_{sup}[V] - 10V}{0,0225A}$ |

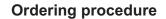
**Resistance required for communication** min. 240  $\Omega$ 

## **Operating conditions**

Operating temperature range (ambient temp.) -30...85°C

### **Materials**

| Casing                                | Aluminium     |
|---------------------------------------|---------------|
|                                       | option: 316ss |
| adapter C type,                       | 304ss         |
| adapter PCV type (on Ø6 elastic pipe) | brass         |



| APR-2000G   Smart differential pressure transmitter     Casing, output signal   /ALW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Model                                               | Code |         |                   |                                                                                                     |                                                                                         | Description                                                                        |                                                    |                   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------|---------|-------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------|-------------------|--|
| Lasing, output signal   /ALW/SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | APR-2000G                                           |      |         |                   |                                                                                                     |                                                                                         | •                                                                                  |                                                    |                   |  |
| Versions, certificates   //LUW/SS.   Stantless steet housing, IP66, with display, output 4-20mA + Hart     Versions, certificates   //Exia   //Exia <td></td> <td colspan="3"></td> <td colspan="3">•</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |      |         |                   | •                                                                                                   |                                                                                         |                                                                                    |                                                    |                   |  |
| IECEx   Ex ia IIC Ta/T5 Ga/Gb     II 1/2G Ex ia IIC Ta/T5 Ga/Gb   II 1/2G Ex ia IIC Ta/T5 Ga/Gb     II 1/2G Ex ia IIC Ta/T5 Ga/Gb   II 1/2G Ex ia IIC Ta/T5 Ga/Gb     II 1/2G Ex ia IIC Ta/T5 Ga/Gb   II 1/2G Ex ia IIC Ta/T5 Ga/Gb     II 1/2G Ex ia IIC Ta/T5 Ga/Gb   II 1/2G Ex ia IIC Ta/T5 Ga/Gb     II 1/2G Ex ia IIC Ta/T5 Ga/Gb   II 1/2G Ex ia IIC Ta/T5 Ga/Gb     II 1/2G Ex ia IIC Ta/T5 Ga/Gb   Ex ia IIC Ta/T5 Ga/Gb     IFECEx   Ex ia IIC Ta/T5 Ga/Gb     IPG7   Protection class IP67     Protection class IP67   Protection class IP67     IPG7   Protection class IP67     IPG7   Protection class IP67     IPG7   Protection class IP67     IPG8   -2.5+2.5 mbar     IPC25 mbar   -2.5+2.5 mbar (250+280 Pa)     IPC25 mbar   -2.5+2.5 mbar (250+280 Pa)     IPC25 mbar   -2.5+2.5 mbar (250+250 Pa)<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Casing output signal                                |      |         | Stainles          | s steel housing, IP66, with display, output                                                         | 4-20mA + Hart                                                                           |                                                                                    |                                                    |                   |  |
| /Exia (Da)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Versions, certificates                              | ·    | /Exia.  |                   |                                                                                                     |                                                                                         | (Ex)                                                                               | II 1/2G Ex ia IIC T4/T5 Ga/Gb                      |                   |  |
| /Exia (Da)   //Exia (Da)   II 1D Exia IIIC T105°C Da<br>IM1 Exia II Ma (version with SS housing)     //SA   //SA   //SA     //IP67   //P67   Surge arrester for Exia version     //P67   Protection class IP67     Nominal measuring range   //+2,5+2,5 mbar.   0+25 mbar (0+2500 Pa)     //2,5+2,5 mbar.   0+25 mbar (0+2500 Pa)   1mbar (100 Pa)     /-7+7 mbar.   -7+7 mbar (700+700 Pa)   1mbar (100 Pa)     /-25+25 mbar.   -25+25 mbar (2500+2500 Pa)   0,2 mbar (20 Pa)     /100+100 mbar.   -7+7 mbar (700+700 Pa)   1mbar (100 Pa)     /-25+25 mbar.   -25+25 mbar (2500+2500 Pa)   5mbar (500 Pa)     /100+100 mbar.   -25+25 mbar (2500+2500 Pa)   5mbar (500 Pa)     /100+100 mbar.   -25+25 mbar (2500+2500 Pa)   5mbar (500 Pa)     /100+100 mbar.   -25+25 mbar (2500+2500 Pa)   5mbar (500 Pa)     //200+100 mbar.   Process connection with terminal connecting for Ø6mm elastic pipe.     Process connections   //PCV   Process connection with terminal connecting for Ø6mm elastic pipe.     Irread 1/2 NPT F on cover flange. Material of cover flange 304Lss. Allows mounting with a valve manifold.   Thread 1/2 NPT Female     Electrical connection   //AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |      |         |                   |                                                                                                     |                                                                                         | IECEx                                                                              | Ex ia IIC T4/T5 Ga/Gb                              |                   |  |
| /Exia (Da)   //Exia (Da)   ////////////////////////////////////                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     | Ì    |         |                   |                                                                                                     |                                                                                         | _                                                                                  | II 1/2G Ex ia IIC T4/T5 Ga/Gb                      |                   |  |
| Image: Instance of the second seco |                                                     |      |         |                   |                                                                                                     |                                                                                         | (£x)                                                                               | $\langle \xi_x \rangle$ II 1D Ex ia IIIC T105°C Da |                   |  |
| IECEx Ex ia IIIC T105°C Da<br>Ex ia I Ma (version with SS housing   /SA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |      | /Exia ( | (Da)              |                                                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |
| Ex ia 1 Ma (version with SS housing     //SA//IP67   Surge arrester for Exia version     /IP67   Protection class IP67     Nominal measuring range   /0+25 mbar   Range   Min. set range     /0+25 mbar   0+25 mbar (0+2500 Pa)   1 mbar (100 Pa)     /-7+7 mbar   -2.5+2.5 mbar (250+250 Pa)   0.2 mbar (20 Pa)     /-7+7 mbar   -7+7 mbar (700+700 Pa)   1 mbar (100 Pa)     /-25+25 mbar   -25+25 mbar (250+250 Pa)   5mbar (500 Pa)     /-100+100 mbar   -25+25 mbar (250+250 Pa)   5mbar (500 Pa)     /-100+100 mbar   -25+25 mbar (250+2500 Pa)   5mbar (500 Pa)     /-100+100 mbar   -25+25 mbar (2500+2500 Pa)   5mbar (500 Pa)     /-100+100 mbar   -25+25 mbar (250+2500 Pa)   5mbar (500 Pa)     /-100+100 mbar   -25+25 mbar (2500+2500 Pa)   5mbar (500 Pa)     /-100+100 mbar   Process connection with terminal connecting for Ø/6mm elastic pipe.     //C   //C   Process connection with terminal connecting for Ø/6mm elastic pipe.     //L   //L   Thread 1/4 NPT F on cover flange. Material of cover flange 304Lss. Allows mounting with a valve manifold.     Electrical connection   <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |      |         | · /               |                                                                                                     |                                                                                         | IECEY                                                                              |                                                    |                   |  |
| /SA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |      |         |                   |                                                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |
| Image: Nominal measuring range   Image: Nominal measuring range   Min. set range   Min. set range     Nominal measuring range   /0+25 mbar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |      | /SA     |                   |                                                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |
| Nominal measuring range //0+25 mbar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |      | /IP67.  |                   |                                                                                                     |                                                                                         | 0                                                                                  |                                                    |                   |  |
| Nominal measuring range   /0+25 mbar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |      |         |                   |                                                                                                     |                                                                                         |                                                                                    | Range                                              | Min. set range    |  |
| Nominal measuring range   /-7+7 mbar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |      |         | /0÷25 m           |                                                                                                     |                                                                                         |                                                                                    | 0÷25 mbar (0÷2500 Pa)                              |                   |  |
| Nominal measuring range   /-7+7 mbar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |      |         | /-2.5+2.          |                                                                                                     |                                                                                         |                                                                                    | . ,                                                |                   |  |
| /-100+100 mbar   -100+100mbar (10+10 kPa)   20mbar (2 kPa)     Measuring set range   /+ [required units]   Calibrated range in relation to 4mA and 20mA output     Process connections   //PCV   Process connection with terminal connecting for Ø6mm elastic pipe.     Image: Note of the set of the                                                                                                                                                                                                  | Nominal measuring range /-7÷7 mbar                  |      | bar     | ar                |                                                                                                     | -7÷7 mbar (700÷700 Pa)                                                                  | 1mbar (100 Pa)                                                                     |                                                    |                   |  |
| Measuring set range   /+ [required units]   Calibrated range in relation to 4mA and 20mA output     Process connections   //PCV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |      | mbar    |                   |                                                                                                     | -25÷25 mbar (2500÷2500 Pa)                                                              | 5mbar ( 500 Pa)                                                                    |                                                    |                   |  |
| Process connections   /PCV   Process connection with terminal connecting for Ø6mm elastic pipe.<br>Thread 1/4 NPT F on cover flange. Material of cover flange 304Lss. Allows mounting with a valve manifold.     Electrical connection   (without marking)<br>/US   Packing gland M20x1,5<br>Thread 1/2"NPT Female     //AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |      |         | /-100÷10          | 00 mbar                                                                                             |                                                                                         |                                                                                    | -100÷100mbar (10÷10 kPa)                           | 20mbar (2 kPa)    |  |
| Process connections   /C   Thread 1/4 NPT F on cover flange. Material of cover flange 304Lss. Allows mounting with a valve manifold.     Electrical connection   (without marking)<br>/US   Packing gland M20x1,5<br>Thread 1/2"NPT Female     /AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     |      |         |                   | ]                                                                                                   | Calibrat                                                                                | ed range in relation to 4mA and 20mA out                                           | put                                                |                   |  |
| with a valve manifold.       Electrical connection     (without marking)<br>/US     Packing gland M20x1,5<br>Thread 1/2"NPT Female       /AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |      |         |                   | /PCV                                                                                                |                                                                                         | Process                                                                            | connection with terminal connecting for Q          | 6mm elastic pipe. |  |
| Electrical connection     (without marking)<br>/US     Packing gland M20x1,5<br>Thread 1/2"NPT Female       /AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Process connections                                 |      |         |                   | /C                                                                                                  |                                                                                         | Thread 1/4 NPT F on cover flange. Material of cover flange 304Lss. Allows mounting |                                                    |                   |  |
| Electrical connection     Thread 1/2"NPT Female       //US     Thread 1/2"NPT Female       //AL     Mounting bracket type AL for 2" pipe, material stainless steel       //AL(SS)     Mounting bracket type AL for 2" pipe, material stainless steel       //AL0201,5/Ø6     Adapters from Ø 6mm elastic pipe for M20x1,5 M thread (only version with PCV process connection)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |      |         |                   |                                                                                                     |                                                                                         | with a valve manifold.                                                             |                                                    |                   |  |
| /US   Thread 1/2"NPT Female     /AL   Mounting bracket type AL for 2" pipe, material zinced steel     /AL(SS)   Mounting bracket type AL for 2" pipe, material stainless steel     /M20x1,5/Ø6   Adapters from Ø 6mm elastic pipe for M20x1,5 M thread (only version with PCV process connection)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Electrical connection                               |      |         |                   | (withou                                                                                             | it marking)                                                                             | Packing                                                                            | gland M20x1,5                                      |                   |  |
| /AL(SS)   Mounting bracket type AL for 2" pipe, material stainless steel     /M20x1,5/Ø6   Adapters from Ø 6mm elastic pipe for M20x1,5 M thread (only version with PCV process connection)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Electrical connection                               |      |         |                   | /US                                                                                                 |                                                                                         | Thread                                                                             | 1/2"NPT Female                                     |                   |  |
| /M20x1,5/Ø6 Adapters from Ø 6mm elastic pipe for M20x1,5 M thread (only version with PCV pro-<br>cess connection)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | /AL                                                 |      |         | /AL               | Mounting bracket type AL for 2" pipe, material zinced steel                                         |                                                                                         |                                                                                    |                                                    |                   |  |
| cess connection)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Accessories //W20x1<br>/RedSp<br>/+VM-3.<br>/+VM-5. |      |         |                   |                                                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |      |         | /M20x1,5/Ø6       |                                                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |
| /RedSpaw C Connector to weld impulse pipes dia. 12 and 14 mm, material 15HM. (only version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |      |         | /PodSpow C        | cess connection)<br>Connector to weld impulse pipes dia. 12 and 14 mm, material 15HM. (only version |                                                                                         |                                                                                    |                                                    |                   |  |
| with process connection ( type)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |      |         | /Reuspaw C        | with process connection C type)                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |
| Accessories //+VM-3/A Assembled with a 3-way valve manifold (further specification of manifold - see data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |      |         | 1.1.1.1.1.1.2.1.4 | Accompled with a 2 way value manifold (further aposition of manifo                                  |                                                                                         | pecification of manifold - see data                                                |                                                    |                   |  |
| sheet). Only version with C type process connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |      |         | / T V IVI-3/A     | sheet) . Only version with C type process connection.                                               |                                                                                         |                                                                                    |                                                    |                   |  |
| /+VM-5/A Assembled with a 5-way valve manifold ( further specification of manifold - see data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |      |         | /+VM-5/A          |                                                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |
| /ST Stainless Steel plate fixed to the housing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                     |      |         |                   | sneet). Only version with C type process connection.                                                |                                                                                         |                                                                                    |                                                    |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |      |         |                   |                                                                                                     | Stainless Steel plate inxed to the housing<br>Stainless Steel Tag plate mounted on wire |                                                                                    |                                                    |                   |  |
| Other specification // Description of required parameters (e.g. IP66/67)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |      |         |                   |                                                                                                     |                                                                                         |                                                                                    |                                                    |                   |  |

**Example 1:** Differential pressure transmitter with display, nominal range -7÷7mbar, set range -0,5÷1mbar, PV type process connection, two additional M20x1,5/Ø6x1 adapters.

### APR-2000GALW/-7+7mbar/-0,5+1mbar/PCV/2xM20x1,5/Ø6x1

**Example 2:** Differential pressure transmitter with display, nominal range 0+25mbar, set range 0+4 mbar, C type process connection, mounted with a 3-way valve manifold.

#### APR-2000GALW/ 0+25mbar/0+4mbar/C/VM-3/A

APLISEN<sup>®</sup>