

2, 5, 10, 20, 50, 100, 400 bar

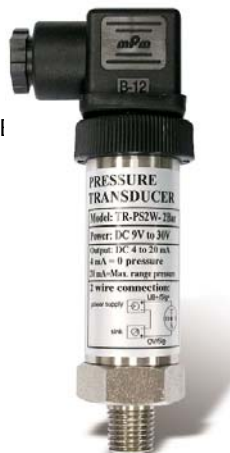
# PRESSURE CONTROLLER/MONITOR

Model : PPS-9312

ISO-9001, CE, IEC1010



optional  
2 WIRES PRESSURE TRANSMITTER  
Model : TR-PS2W-xxBAR



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*The Art of Measurement*

# PRESSURE CONTROLLER/MONITOR


Model : PPS-9312

## FEATURES

* Meter connects with 2, 5, 10, 20, 50, 100, 400 bar sensor, no calibration procedures are necessary typically when change a new sensor .
* Unit select : Bar, PSI, Kg/cm <sup>2</sup> , inch Hg, mm Hg, inch H <sub>2</sub> O, meter H <sub>2</sub> O, Atmosphere, hPa, KPa.
* Large red LED display, high brightness and easy to read.
* Control setting, Hi/Lo alarm setting.
* Control relay output, alarm relay output.
* Alarm Relay will make action when the reading value reach to high/low alarm value.
* Control Relay will make action when the reading value reach to control value.
* Hysteresis value setting for control and alarm function.
* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Power : 90 ACV to 264 ACV, 50/60 Hz.
* Cooperate the 4-20 mA pressure input, sensor can install in the faraway position.
* DC 12V output, used for the power of pressure sensor.
* RS-232/USB computer interface.
* DIN size : 96 x 48 mm. Depth : 107 mm.
* Optional pressure sensor, TR-PS2W-xxBAR, PS93MA-xxBAR.
* Optional USB cable, USB-01.
* Optional data acquisition software.
* Optional GSM controller.

## GENERAL SPECIFICATIONS

Display	4 digits red LED, digit size : 14 mm. x 10, x100 indicator
Circuit	Custom chip of microprocessor LSI circuit.
Sensor type	Can cooperate with optional 2, 5, 10, 20, 50, 100, 200, 400 bar two wires 4 to 20 mA pressure sensor, new calibration are not necessary typically when change the new sensor . * <i>Sensor type can make the internal setting with default</i>
Display units	Bar, Psi, Kg/cm <sup>2</sup> , mm Hg, inch Hg, meter H <sub>2</sub> O, inch H <sub>2</sub> O, Atmosphere, hPa, KPa. * <i>Unit can make the internal setting with default</i>
Accuracy	± ( 0.5% + 2 d ) * <i>Meter only.</i> * <i>Within 23 °C ± 5 °C</i>
Pressure sensor * <i>optional</i>	Cooperate the optional two wires ( or four wires ) 4 to 20 mA pressure sensors ( transmitters ). * <i>two wires sensor : TR-PS2W-xxBAR</i> * <i>Four wires sensor : PS93MA-xxBAR</i>
Offset adjust	It can make the internal Offset setting with default.
Gain adjust	It can make the internal Gain setting with default

Input signal from sensor	* <i>Input 4 mA = 0 pressure</i> * <i>Input 20 mA = full scale pressure</i>	
Sampling Time	Approx. 1 second.	
Relay Output	Number	2 relays
	Function	<i>Relay 1 :</i> Control relay. <i>Relay 2 :</i> High/Low alarm relay.
	Max load	0.5 ACA/250 ACV 0.5 DCA/24 DCV   * <b>Do not apply the relay contact load current &gt; 0.5 A, other wise the relay may be damaged permanently without warranty.</b>
Setting Function	<i>1st layer setting procedures</i>	CtLo ( Control low limit ) CtHi ( Control high limit ) ALLo ( Alarm low limit ) ALHi ( Alarm high limit )
	<i>Second layer setting procedures</i>	tyPE ( Sensor type ) FiLt ( Digital filter ) CtHy ( Control hysteresis set ) ALHy ( Alarm hysteresis set ) oFSt ( Offset adjustment ) GAin ( Gain adjustment ) Unit ( Unit set )
External Power Supply	DC 12 V, 50 mA max.	
Data Output	RS 232 PC serial interface.	
Operating Temperature	0 to 50 °C.	
Operating Humidity	Less than 80% R.H.	
Power Supply	90 to 260 ACV, 50/60 Hz.	
Power Consumption	Approx. 5.3 VA/AC 110V. Approx. 7.3 VA/AC 220V.	
Weight	384 g/ 0.84 LB.	
Dimension	DIN size : 96 x 48 mm. Depth : 110 mm.	
Accessories Included	Instruction manual.....1 PC Case holder with screw.....2 PCs	
Optional Accessories	Two wires pressure transmitters, Model : TR-PS2W-xx BAR * Range : 2, 5, 10, 20, 50, 100 400 BAR.  * Data Acquisition software, SW-U801-WIN. * RS232 cable, UPCB-02. * USB cable, USB-01. * Real time SD card datalogger DL-9602SD * GSM controller, GSM-889. * Interface cable ( cable between meter to GSM-889 ), GMCB-89.	

\* Appearance and specifications listed in this brochure are subject to change without notice.

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