

OVERPRESSURE METER YM-3 S1-, S2- CLASS BOMBSHELTERS



The YM-3 is used to measure and monitor internal overpressure between shelter and outside area. Reference pressure is measured outside via copper hose lead through special blast and gastight proof wall sleeve. The YM-3 overpressure meter is designed and tested to withstand strong blast loadings exerted on the meter through its connection pipe. YM-3 is type tested and approved by Technical Research centre of Finland/VTT that performs type inspecting mandated by the Finnish Ministry of Interior. The is YM-3 is protected against blast shock and static pressure loads.

YM-series device features include:

- Field adjustable zero point calibration
- pressure limit stickers
- Robust structure



SAFETY

- Certificate VTT-C-12329-18 granted by the VTT/ Technical Research Centre of Finland
- Protected against blast shock and static pressure loads
- Withstands rapid change in velocity 2.5m/s, 30 g
- Withstands vibration with acceleration of 2.5m/s, 30 g
- Protected against blast shock and static pressure loads

USAGE AND APPLICATIONS

- YM-3 is commonly used in
- Civilian and military shelters
 - Industrial plants

TECHNICAL SPECIFICATIONS

Performance

Accuracy:
MM±100500
-100...100 Pa ±5 Pa
100...500 Pa ±25 Pa

Overpressure:
Maximum overpressure : 300 kPa
Static overpressure: -20...300 kPa

Test and performance data:
Withstands rapid change in velocity 2.5m/s, 30 g
Withstands vibration with acceleration of 2.5m/s, 30 g

Technical specifications

Media compatibility:
Dry air or non-aggressive gases

Measuring units:
Pa

Measurement ranges:
-100...100...500 Pa

Environment:

Operating temperature:
-20...+70

Meter fluid:
Red: s.g. 0.786 kg/dm (15 °C)
(Isopar M)

Physical

Case:
ABS
Cover:
PMMA
Knobs:
Polycarbonate (PC)
O-ring:
Nitrile rubber (NBR)
Weight:
420 g

Safety

Equipped with integral reservoir to prevent meter fluid leakage during overpressure situation. Protected against blast shock and static pressure loads.

Conformance

Meets the requirements for CE marking:
RoHS Directive: 2011/96/EU

Certificate VTT-C-12329-18 granted by the VTT/ Technical Research Centre of Finland. VTT type test report is available upon request.

Manufactured in accordance with specific regulations issued by the Finnish Interior Ministry



COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 = ISO 14001 =

