TECHNICAL DATA SHEET

Intrinsically Safe Digital Manometers

Five of the Digitron manometer range can be supplied IS certified as individual units. All instruments are certified for use in inflammable or explosive atmospheres.

Certified by BASEEFA, UK's leading Intrinsic Safety approvals house, the units are classified as EEx ia IIC T4

This certification is equivalent to EN60079-0:2004 and EN50020:2002. The units are ready for site use anywhere, immediately. P200 instruments are suitable for use with non-corrosive, non-ionic liquids and gases. Liquid pressure can be measured using an air buffer.

Case proven! - their tough construction makes them extremely durable and, therefore functional in not only hazardous atmospheres but also rough environments.

Where safety and accuracy matter

The P200IS is the best in pressure measurement technology for the user involved with dangerous environments.

Key Features

- ✓ Certified to EEx ia IIC T4
- High accuracy
- Choice of pressure ranges
- 🖌 Robust case
- Clear, digital display
- ✓ Battery life for 300 hours





Specification

| Resolution | Lo' denotes low range/high resolution 'Hi' denotes high range/low resolution | |
|---|--|--|
| Accuracy | 20°C to 30°C -0.1% rdg +0.1% fs + 1 digit | |
| (Combined Hysterisis and linearity) | -20°C to 50°C -0.15% rdg +0.15% fs + 1 digit | |
| Maximum Over Pressure | P200UL.is 1000mbar | |
| (Max line pressure) | P200L.is & P200M.is 2000mbar | |
| | P200H. is 4000mbar | |
| | P200AH.is 4000mbar | |
| Operating Temperature (ambient) | -20.C° to +50°C (-4.F° to +122°F) | |
| Battery Type | 9V PP3 Style zinc chloride IEC style 6F22 (Type PP3S or equivalent | |
| Battery Life | 100 hours typically | |
| Display | 12.7mm/05" custom LCD with automatic legend display | |
| Low Battery Check | BAT' shows on display | |
| Environmental Specifications | IP64 Standard | |
| Dimensions | 140 x 70 x 26mm/5.5 x 2.8 x1.0" | |
| Weight | 250g/8.8oz | |
| Other Features | Zero control. Engineering units show on display (Standard calibrations). Connections: push fit 4mm/0.157" I.D. 6MM/0.236" O.D. nominal, retaining nut supplied. | |

| Model | Lo Range | Hi Range |
|---------|-------------|---------------------|
| P200 UL | 0-19.99mbar | 0-100mbar |
| P200L | 0-199.9mbar | 0-500mbar |
| P200M | 0-199.9mbar | 0-1000mbar |
| P200H | 0-199.9mbar | 0-2000mbar |
| P200AH | 0-199.9mbar | 0-2000mbar absolute |

