

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.

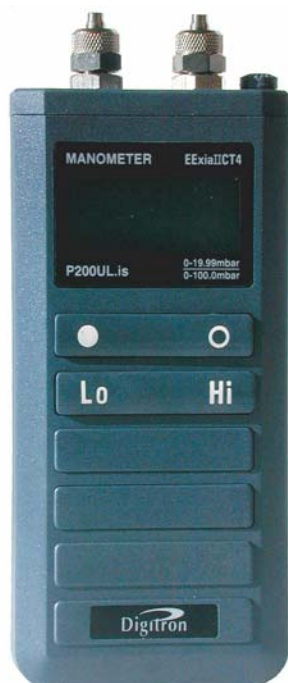
Case proven! - their tough construction makes them extremely durable and, therefore functional in not only hazardous atmospheres but also rough environments.

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 (Combined Hysteresis and linearity)	20°C to 30°C -0.1% rdg +0.1% fs + 1 digit -20°C to 50°C -0.15% rdg +0.15% fs + 1 digit
Maximum Over Pressure (Max line pressure)	P200UL is 1000mbar 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 x 1.0"
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