

DIGITAL DIFFERENTIAL PRESSURE GAUGE

MODEL AI-DDPG



FRONT VIEW



BACK VIEW

Differential Pressure Indicators are Digital Readout Magnehelic® Gauges Suited For Application In Laminar Air Flow Cabinets, Clean Rooms, Biosafety Cabinets, AHU, Etc.

Differential Pressure Indicators Are Part Replacement For The Analog Magnehelic® Gauges & Are Easy To Use With Clear 4 Digit Led Display. It Comes With Built In Sensor & Also A Buzzer Alarm With Acknowledgement Facility For Process Violation Alert.

Salient Features Include Unit Conversion At The Press Of A Key Between mm.W.C. & Pascals, Integrated Buzzer Alarm For Set Point Violation, Offset Provision To Meet Audit Requirements, Analog 4-20ma Output, 30 mm. Depth For Clean Room Modular Wall Fitment & RS 485 Modbus Communication For BMS / SCADA / PLC Integration.

Specifications

Pressure Measuring Range	-10.0 to +10.0 mm.W.C./ -25.0 to +25.0 mm.W.C./ -50.0 to +50.0 mm.W.C. / 0.0 to +100.0 mm.W.C./ -100 to +100 Pascals/ -250 to +250 Pascals 0 to 10, 25, 50, 100, 200, 300, 500, 1000 Pascals (Any other range factory set as per customer specifications)
Maximum Over Pressure	2 Times The Rated Pressure
Display	Integrated 4 Digit Red Led 7 Segment Display 0.5" High
Sensor	Integrated High Speed Differential Pressure Sensor
Resolution	1 Pascals / 0.1 mm.W/c
Power	24 Volts D.C. Typical
Output	Optional 4–20 Ma Isolated
Medium	Air Or Gases (Non Corrosive)
Accuracy	+/- 0.5% Of Full Scale
Alarms	Built In Buzzer Alarm For Process Violation Alert
Connection	2 Nos. Hose Nipples of 4mm. ABS Plastic at the back
Communication (Optional)	Isolated RS 485 Modbus Protocol
Size	Standard 4 ½ Inch. (114.3 mm.) Diameter as per Magnehelic® Gauge Cutout with only 30 mm. Depth
Construction	Matte Finish ABS Plastic Enclosure
Weight	180 gms. Approx



ACE INSTRUMENTS

(An ISO 9001-2008 Certified Company)

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