

## MODEL AI-DDPC



FRONT VIEW



BACK VIEW

digital differential pressure indicator controllers are Digital Readout Magnahelic Gauges Suited For Application In Laminar Air Flow Cabinets, Clean Rooms, Biosafety Cabinets, AHU, Etc.

Differential Pressure Indicators Are Part Replacement For The Analog Magnahelic 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 Stainless Steel At The Back
Communication (Optional)	Isolated RS 485 Modbus Protocol
Size	Standard 4 ½ Inch. ( 114.3 mm.) Diameter as per Maganahelic Gauge Cutout with only 30 mm. Depth
Construction	Aluminium Lm-6 Powder Coated Body With Flush Bezel Fitment, Water Splash Proof Polycarbonate Front Sticker
Weight	380 gms. Approx

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