

DIFFERENTIAL PRESSURE INDICATOR

Model AI-DP1



Front View



Back View

DIFFERENTIAL PRESSURE INDICATORS are digital readout differential pressure 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	: -10.0to + 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 Pascals. (Any other range factory set as per customer specifications)
Maximum Over Pressure	: 2 Times the rated pressure
Unit Selection	: mm.W.C./Pascals selectable from front key
Display	: Integrated 4 Digit Red LED 7 Segment Display 0.5" Height
Sensor	: Integrated High Speed Differential Pressure Sensor
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 High & Low Buzzer Alarm for Process Set Parameter Violation with Acknowledgement Key
Size	: Instrument Enclosure is in 75×70×40 mm. (W×H×D)
Connection	: 2 Nos. Hose Nipples of 4mm. Stainless Steel at the Back
Communication (Optional)	: Isolated RS485 Modbus Protocols
Construction	: M.S. Powder Coated Body with Stainless Steel Front Flush Plate for Modular Wall Fitment in Clean Rooms



ACE INSTRUMENTS

(An ISO 9001-2008 Certified Company)

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