

DIFFERENTIAL PRESSURE INDICATOR TRANSMITTER



AI-DP1-LCD

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 Graphic Backlit 128 x 64 LCD. 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 | : Factory Fixed Selection for mm.W.C/Pascals |
| Display | : Graphic Backlit 128 x 64 LCD |
| 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 100×90×30 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 |

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