

# DIFFERENTIAL PRESSURE INDICATOR TRANSMITTER



AI-DP1-1

**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<sup>®</sup> 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

<b>Pressure Measuring Range</b>	: -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)
<b>Maximum Over Pressure</b>	: 2 Times the rated pressure
<b>Unit Selection</b>	: Factory Fixed Selection for mm.W.C/Pascals
<b>Display</b>	: Integrated 4 Digit Red LED 7 Segment Display 0.8"
<b>Sensor</b>	: Integrated High Speed Differential Pressure Sensor
<b>Power</b>	: 24 Volts D.C. Typical
<b>Output (optional)</b>	: 4-20 mA Isolated
<b>Medium</b>	: Air or Gases ( Non Corrosive )
<b>Accuracy</b>	: +/-0.5% of Full Scale
<b>Alarms</b>	: Built In High & Low Buzzer Alarm for Process Set Parameter Violation with Acknowledgement Key
<b>Size</b>	: Instrument Enclosure is in 100×90×30 mm. (W×H×D)
<b>Connection</b>	: 2 Nos. Hose Nipples of 4mm. Stainless Steel at the Back
<b>Communication (Optional)</b>	: Isolated RS485 Modbus Protocols
<b>Construction</b>	: 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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