GLOBAL
SINCE 1977

Clean Room Instrumentation for EMS

When Close Monitoring Matters...

...Trust GLOBAL

CLEAN ROOM MONITORS

DIFFERENTIAL PRESSURE INDICATORS

*Swiss Made:***RH+TEMPERATURE SENSORS**

GLOBAL ELECTRONICS, HYDERABAD, INDIA

AN ISO 9001:2015 COMPANY

3 in 1- DIFFERENTIAL PRESSURE INDICATOR
Model: DPI 131

Global's new DPI 131 is specifically designed for continuous monitoring of **Differential Pressure** across 3 filters and give it on RS 485 MODBUS **.** It is built in a compact shallow enclosure to allow installation in 50 mm thick **panels**

FEATURES

- Monitoring and Tamperproof logging ofthe Data on SCADA with 21CFR Part11 compliance.
- Microprocessor based design with advanced fault tolerant design
- Advanced Self calibration algorithm
- 3-digit High Brightness LED display with Annunciation LEDs
- **3 in-built sensors**
- Software programmable units of measurement
- RS 485 MODBUS Protocol
- **Record of Minimum & Maximum DP.**
- 1 Alarm Relay contact (OPTION)
- Extremely compact enclosure 39 mm depth for installation in prefab panels.
- Enclosure: AHU Mounting Powder Coated Box

Applications:

- Clean Room monitoring
- HVAC Filter Monitoring / Status Alarm.
- LAF Hoods
- Fan Pressure Indication, Fan Failure Interlock.
- Duct Static Pressures monitoring & Alarm.
- Airflow measurement in ducts (Option)
- Damper & VFD Control.

SPECIFICATION

Indicator Specifications:

Display : 3 Rows, 3 digit High Brightness Red LED with Annunciators for units, set point and alarm status.

Display Units : User programmable: mm w.c.& Pa.

Range : -10 to + 25 mm w.c. / -10 to + 50mm w.c. 0-999 Pascals

Accuracy : ±0.5% ± 1 Digit F.S;

Compensated Temp.Range: 0 to 60°C

Zero & Span Adjustments : Digital push-button zero and span

Calibration : Software calibration for each channel

Calibration data : Stored in Non Volatile memory with calibration record

Control Specifications:
Alarms : 1 Alarm Relay OR Buzzer (in-bulit)

Output Specifications:

Output Signal : RS 485 MODBUS RTU PROTOCOL

Power & Environment:

Power Requirements 24V DC

Power Consumption : 5 VA max.

Temperature Operation : 0 to 60°C

Rel. Humidity : 0 to 80% (Non Condensing)

Mechanical & Mounting:

- Enclosure: AHU Mounting Powder Coated Box
  Weight: Approx. : 1 Kg

  Electrical Connections : Screw Terminals

DATA & SPECIFICATION SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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