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 9001:2008 COMPANY

DIFFERENTIAL PRESSURE INDICATOR - Model: DPI 110

Global's new DPI 110 is specifically designed for continuous monitoring of **Differential Pressure** in **Clean Rooms.** It is built in a compact shallow enclosure to allow installation in 40 mm thick **Prefab Clean Room Panels.**

FEATURES

- Microprocessor based design with advanced fault tolerant design
- Advanced Self calibration algorithm
- 3 digit High Brightness LED display with Annunciation LEDs
- Software programmable units of measurement
- **Record of Minimum & Maximum DP.**
- Retransmission Output: ISOLATED 4-20mA or 0-10V (Factory Configurable)
- Extremely compact enclosure 39 mm depth for installation in prefab panels.
- ABS enclosure with Stainless Steel cover

Applications:

- Clean Room monitoring
- HVAC Filter Monitoring / Status Alarm.
- Fan Pressure Indication, Fan Failure Interlock.
- Duct Static Pressures monitoring & Alarm.
- Bi-direction ranges ideal for sensing fluctuating building pressure.
- Airflow measurement in ducts (Option)
- Damper & VFD Control.

SPECIFICATION

Indicator Specifications:

Display	:	3 digit High Brightness Red LED with Annunciators for units, set point and alarm status.
Display Units	:	User programmable: mm w.c. & Pa.
Input Media	:	Air and non-combustible and non corrosive gases. Wetted Materials: Consult factory.
Range	:	-10 to + 25 mm w.c.
Accuracy	:	±0.5% ± 1 Digit;
Pressure Limits	:	Ranges : For Sensors ≤ 4" w.c.: 2.5 psi
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

Output Specifications:

Output Signal	:	ISOLATED 4-20 mA or 0-10V (factory Configurable)

Power & Environment:

Power Requirements	:	18-28 VDC
Power Consumption	:	3 VA max.
Temperature Operation	:	0 to 60°C
Rel. Humidity	:	0 to 80% (Non Condensing)

Mechanical & Mounting:

Housing Material	:	ABS case and SS 316 Front Panel.
Mounting Orientation	:	Mount unit in vertical plane.
Size	:	5" (127 mm) O.D. x 3-1/8" (79.38 mm).
Weight: Approx.	:	1 Kg
Electrical Connections	:	Screw Terminals

DATA & SPECIFICATION SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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