

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



Since 1977

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Clean Room Instrument with Gesture (No Touch) Alarm Acknowledge

Global's new Clean Room Instrument is designed with contact less Acknowledgement for Alarm. It is available in both Flameproof and Non- Flameproof enclosure. Our Flameproof enclosure can be fitted in standard 100mm panel.



FEATURES

- Software calibration for all 3 channel with password protection
- Programmable Alarm Limits with Visual Annunciation
- **Records Max and Min Values**
- **Internal Data Logging up to 1000 logs***
- Confirms to 21 CFR11 requirements.
- Microprocessor based design with LED display advanced fault tolerant design.
- RS485 Retransmission output¹
- 3 Channel Display of any parameter
- Channel ranges and units can be preconfigured (Factory Configured)
- Enclosure: Powder coated steel 172 x 154 x40mm
- **Cover: SS304 210 x 180mm**
- RS 485 Communication
- In built Alarm Buzzer
- Hi & Lo Alarm with Relay Contact
- 24V DC \pm 10% power supply

**ALSO AVAILABLE IN FLUSH
MOUNTING FLAMEPROOF
ENCLOSURE WITH 90 mm DEPTH**





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Display : Graphic LCD with Blue backlight / 3 row 0.56" LED

3 channel display , 3 digit display for each Channel

For standard configuration, Units display on LCD in LCD version

Ch. 1 : %RH, Ch. 2 : °C, Ch.3 : mmWC or Pa.

Units Laser marked on faceplate for LED versions.

Input : 3 channel 0 – 10V DC / 4 – 20 mA DC / RTD PT100 *

Input : Voltage or Current or RTD PT100 (only Channel 2) *

Input ranges : 0 to 1 or 10V / 0 to 5 or 1 to 5V / 4 – 20 mA DC on all Channels
& RTD (only on channel 2) * **Factory Configured**

Instrument Accuracy : $< \pm 0.25\%$ FS + 1 digit

Calibration : Software calibration for each channel

Power : 12V to 26 V DC, 3 VA (recommended 24V)

Dimensions :

Enclosure:

Non Flameproof :

24V DC Operation : Powder coated enclosure 170 x 154 x 40mm

SS304 faceplate : 210 x 180mm

Flameproof : Powder coated Cast LM6 enclosure 216 x 227 x 84mm

Test Certificate : ERTL (E) /TES/G106/0022/02-06 dt.17-03-2016

Powder Coated back box : 303 x 220 x 90mm

SS304 faceplate : 333 x 250mm



OPTIONS:

Alarms : Programmable for each Channel with LED annunciation

Alarm Buzzer : Internal Alarm Buzzer, Silenceable through ACK key.

Alarm Relay * : Common Alarm Relay, configurable for all Channels. **Max Load:**

0.5A @ 30 V DC

Clock * : Real time Battery Operated Clock (Battery: CR2032)

Digital Input * (24V DC) for ALARM initiation by DDC

* **Contactless Alarm Acknowledge**

* **Alarm Acknowledge Push button in Flameproof Enclosure**

Digital Input * (24V DC) for AHU ON status display on 3mm diameter LED.

* 230V AC Operation

Calibration data * : Stored in Non Volatile memory with calibration date and time stamp

Records * : 1000 records at user selected interval

Communication * : RS 485 MODBUS RTU Protocol.

* =>MUST BE SPECIFIED AT THE TIME OF ORDERINGSENSORS

Parameter Sensor	Range	Resolution	Accuracy ❏
Humidity Hygroclip CP	0 to 100% RH,	0.1% RH	± 1.5% ± 1 digit
Temperature Hygroclip CP	-39.9 to + 60°C	0.1 °C	± 0.3°C ± 1 digit
RTD PT100	-39.9 to + 60°C	0.1 °C	± 0.3°C ± 1 digit
Differential			
Pressure Built in	-10 to 25 mm WC	0.1 mm WC	± 1.0% ± 1 digit
	-98 to 245Pa	1 Pa	± 1.0% ± 1 digit

❏ Specified accuracy at Ambient Temperature of 25 °C ± 3 °C

* Specification and data subject to change without prior notice.

* Please contact factory for details of the Display range, Accuracy & Sensor Scaling.