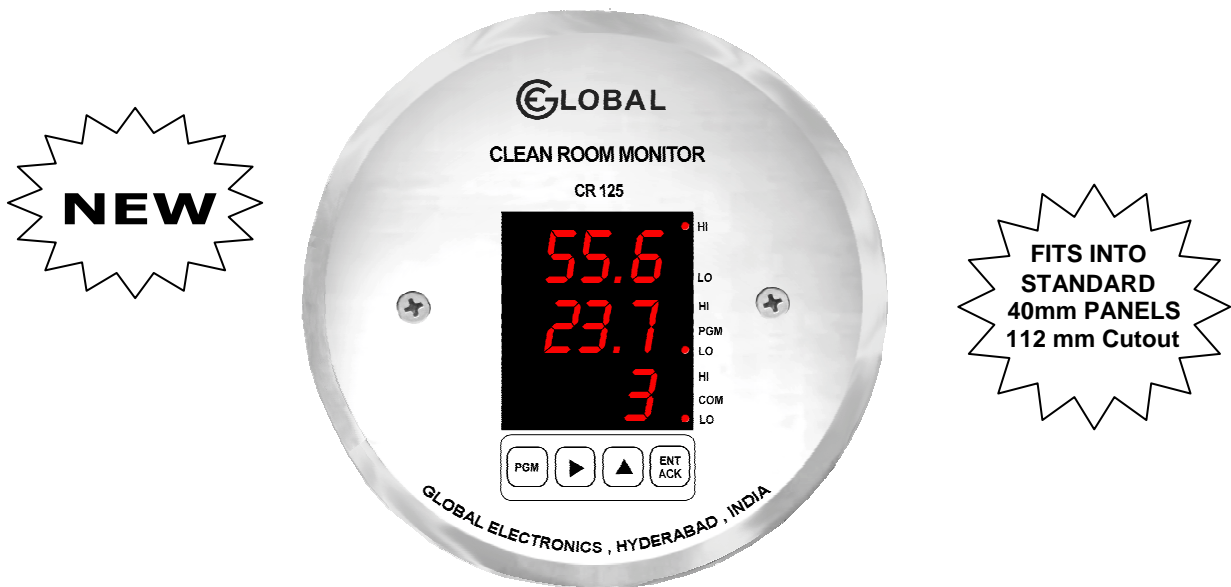


DIGITAL CLEAN ROOM MONITOR

MODEL: CR125



ADVANCED MEASUREMENT TECHNOLOGY WITH DIGITAL COMMUNICATION



The CR125 is specifically designed for the monitoring of Clean Rooms and packaged in a compact shallow enclosure to allow installation in prefab Clean Room Panels of thickness 40mm or more.

FEATURES

- Confirms to **21 CFR11** requirements.
- Microprocessor based design with advanced fault tolerant design
- 3 Channel Display of any parameter
- Channel ranges and units can be preconfigured (Factory Configured)
- User programmable for 1,2 or 3 channel measurements
- Software calibration for all 3 channels with password protection
- Programmable Alarm Limits with Visual Annunciation
- Stainless Steel Front Panel with 38 mm deep molded Enclosure
- Fits into standard 112 mm circular cutout.

OPTIONS:

- Alarm Relay
- Real Time Clock battery powered clock
- Calibration record with Time and Date Stamp for Validation.
- Logging of 1000 records at a preselected intervals.
- Digital Data transmission for zero error data recording
- Digital communication: MODBUS Protocol on RS485 for Controller / SCADA system.

Global Electronics

An ISO-9001:2008 Company

URL: www.ge-india.com Email: info@ge-india.com

DIGITAL CLEAN ROOM MONITOR MODEL: CR125



TECHNICAL SPECIFICATIONS

Display : 3 rows of High Brightness Non fading LED; User selectable 1, 2 or 3 Ch Display
Input * : Voltage or Current
Input ranges * : 0 to 1 or 10V / 0 to 5 or 1 to 5V / 4 – 20 mA DC on all Channels,
Instrument Accuracy : < ± 0.25% FS + 1 digit
Calibration : Software calibration for each channel
Power : 12V to 28 V DC, 3 VA
Dimensions : **Enclosure** : 112 Dia., 39mm deep, **Cover** 164 mm Dia

OPTIONS:

Alarms : Programmable for each Channel with LED annunciation
Alarm Relay * : Common Alarm Relay, configurable for all Channels. **Max Load:** 0.5A @ 30 V DC
Clock * : Real time Battery Operated Clock
Calibration data * : Stored in Non Volatile memory with calibration date and time stamp
Records * : 1000 records at user selected interval
Communication * : RS 485 : On Modbus Protocol.

* => MUST BE SPECIFIED AT THE TIME OF ORDERING

DATA SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

SENSORS / TRANSMITTERS

HUMIDITY : ROTRONICS HYGROCLIP CP / ROLINE SERIES TRANSMITTERS
Accuracy : Hygroclip ±1.5% Roline ± 3% RH
TEMPERATURE : ROTRONICS HYGROCLIP CP / L SERIES / ROLINE SERIES TRANSMITTERS
Accuracy: Hygroclip: ±0.3 °C / Roline: +0.5 °C, / Temperature Transmitter
PRESSURE : **PTX 107:** -99 to + 245 Pascal OR -10 TO +25 mm WC Accuracy: ±1.0%

ORDERING INFORMATION

CR 125 - CH.1 - CH.2 - CH.3 - FOR RTC - FOR RECORDING - FOR RS485
X - X - X - X - RTC - LOG - COM
0 :None
1 :0-10V DC
2 :4 – 20mA DC
3 :0-1V FOR PTX 107
4 : OTHERS (PL SPECIFY)
0 :None
1 :0-10V DC
2 :4 – 20mA DC
3 : 0-1V: FOR ROTRONICS / HYGROCLIP
4 :TEMPERATURE TRANSMITTER
0 :None
1 : 0 -10V DC
2 : 4 – 20mA DC

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