

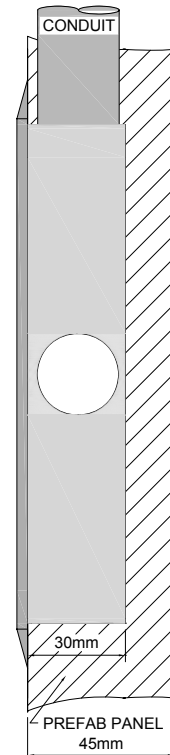
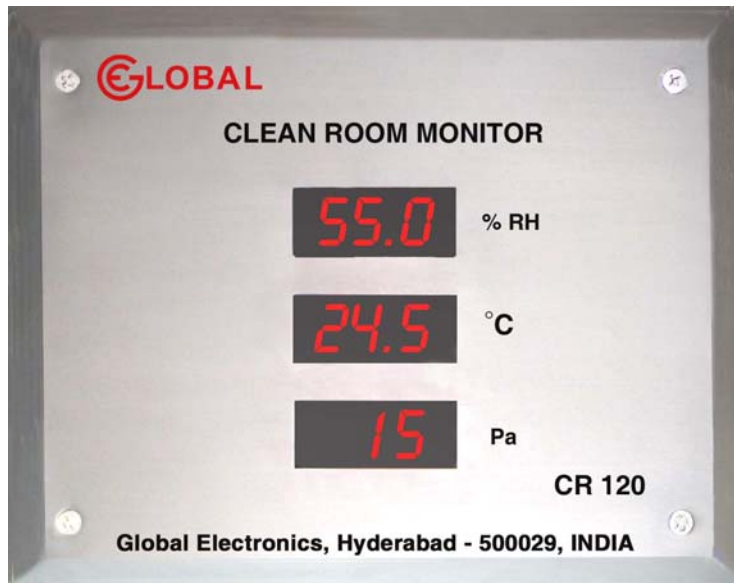
DIGITAL CLEAN ROOM MONITOR CR 120



ADVANCED MEASUREMENT & DIGITAL COMMUNICATION TECHNOLOGY

SPECIALLY DESIGNED FOR MODERN CLEAN ROOMS

INSTALLATION IN 40 mm PREFAB PANELS



FEATURES

- Microprocessor based advanced fault tolerant design.
- 3 Channel Analog inputs
- Advanced Self calibration algorithm
- 3 row High Brightness LED display
- Software programmable channel ranges and units
- User programmable for 1,2 or 3 channel measurements
- Programmable Alarm Limits with Visual Annunciation.
- Real Time battery backed clock
- Software calibration for all 3 channels
- Calibration Date record for validation.
- RS 485 multi dropping communication for Host Controller / SCADA system.
- Digital Data transmission for zero error data recording
- **All Stainless Steel enclosure with 30 mm depth** for installation in prefab panels.

Global Electronics

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DIGITAL CLEAN ROOM MONITOR CR 120



TECHNICAL SPECIFICATIONS CR120

Display	: 3 rows High Brightness Non fading LED
Input	: 3 Channels, Voltage / Current User configurable for 1, 2 or 3 Channel measurement
Input ranges	: 0 – 10V DC / 4 – 20 mA DC, Direct PT100 on Channel 2
Input Impedance	: Voltage > 1 MΩ, Current: 100 Ω
Input Scaling	: User programmable
Accuracy	: better than 0.25% FS
Alarms	: Programmable for each Channel with LED annunciation
Clock	: Real time battery backed clock
Calibration	: Software calibration for each channel
Calibration date & data	: Stored in Non Volatile memory
Communication	: RS 232 / RS 485
Pressure Connection	: 5 mm dia hose nipple
Power	: 24 V DC ± 5%, 10VA
Enclosure	: Stainless Steel
Dimensions	: Wall Mounted : 220(H) x 200(W) x 32(D) mm Wall embedded : Enclosure: 175x155 x 30 mm, Cover 200 x 180 mm

SENSORS / TRANSMITTERS

HUMIDITY & TEMPERATURE : ROTRONICS HYGROCLIP CP / ROLINE SERIES TRANSMITTERS
Accuracy: Hygroclip ±1.5% RH / ± 0.3°C Roline ± 3% RH // ± 0.5°C

TEMPERATURE : PT 100 Class A

Ordering Information

CR 120	X	X	X	X
	↓	↓	↓	W Wall Mount enclosure E Wall embedded Enclosure
	Ch. 1	Ch.2	Ch.3	
	0 None	0 None	0 None	
	1 0 -10V DC	1 PT100	1 Pressure -10 to 90mmWC	
	2 4 – 20mA DC	2 0-10V DC	2 Pressure -100 to 900 Pa	
	3 0 – 1 V DC	3 4 – 20mA DC		
		4 0 – 1 V DC		

Sensors / Transmitters and 24V DC Power Supply to be ordered separately

- Accessories:**
1. 24V DC Power supply 50W / 100W (To power 5 / 10 CR120 units)
 2. 3.5 x 5.5 Silicon tubina for pressure connections

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CR120.pdf

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