nippon instruments
(india) pvt. ltd.

CRM
Clean Room Monitor

%RH
°C
Pa
HH:MM

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CRMFLP

Clean Room
Indicators

- State of the art microcontroller design
- Accepts 3 inputs, 4-20 mA or 0-10 VDC
- Real time clock in HH:MM
- 4 sets of 4 digits display
- Humidity, Temperature, Differential Pressure measurement

- RS485 MODBUS
- Available in SS cover housing
- Also available in flameproof I, IIA, IIB certified enclosure
- Isolated retransmission outputs 3 no's, 6 set points

Isolation:	1 KV between input and output
Interface:	Can integrate with many make of sensors, 4 – 20 mA or 0 – 10 VDC Signal
Display:	4 digits, 4 Sets, 7 Segment display, 12.5mm height, Red Color, Easy to read (Contact factory for white, blue or any other color display)
Annunciation:	8 LED's, 3mm each, High/Low limits and RxTx
Range:	Programmable Humidity: 0 - 100 % Temperature: -50 to 100 °C Differential Pressure: 0 – 100 Pa RTC: 23:59
Accuracy:	± 0.1% of span, software linearized
Parameter Setting:	By 4 soft long life keys or RS485 SLAVE
Mounting:	Civil wall grouted, fitted in modular partition panel/wall
Box size:	225(H)*225(W)*40(D) in mm 225(H)*225(W)*42(D) in mm with SS cover
Cable Entry:	Condute drop from Top
Box material:	MS powder coated with SS cover | Flameproof enclosure made from LM6
Termination:	PCB mounted, Heavy, Long Life, up to 2.5 mm2
Retransmission:	4-20 mA or 0-10 VDC with 1KV isolation
RTC:	HH : MM , Built In battery
Supply:	90-260 VAC, SMPS power | Contact factory for 24 VDC supply
Buzzer:	Audible buzzer in fault condition, approx. 95 dB
Ambient Conditions:	0 – 50 °C / 0-90% RH
Weight:	Approx. 1.5 kg for metal enclosure Approx. 5.0 kg for flame proof enclosure
Communication:	RS485, MODBUS Protocol

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