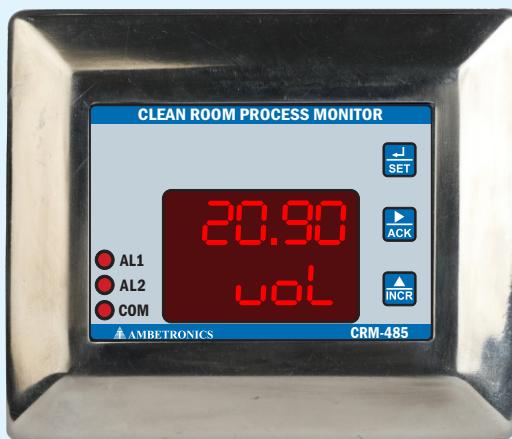


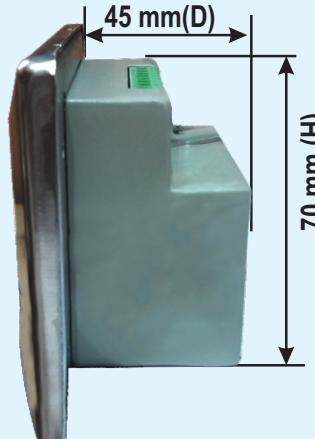
## CLEAN ROOM PROCESS MONITOR

## Front View



Single channel Process monitoring system with 2x4 digit display

## Side View



## Features

- Multi-drop connection, saves cabling
- Ring Topology possibility for Redundancy
- One Second Scan time for each slave
- Password protected programming
- Isolated RS-485 communication ports
- 2 Optional relays
- Easy programming with 3 keys on front panel
- Built-in Buzzer/Relay for alarm set points with alarm acknowledgment facility

## Applications

- Clean room application in Pharmaceutical Industry
- Pharma Environments monitoring applications.
- Healthcare, Hospitals, Shopping Malls
- HVAC (Heating, ventilation, Air conditioning, Cooling).
- Cold storage, chilling Plant

## TECHNICAL SPECIFICATIONS

## Input

RS-485 : 1 No. Slave device with Modbus-RTU protocol

## Range &amp; Resolution

Range : User settable within 4 digits (-999 to 9999)

Resolution : 1, 0.1, 0.01, 0.001

## Indication/Alarm / Control

Display : 2x4 digit Seven Segment 0.4" Red LED display  
 Status : 2 LEDs AL1 And AL2 for Alarms and COM LED for communication  
 Integrated Buzzer for process violation of Alarm Limits

## Communication

To Modbus : Isolated RS-485 communication with Modbus RTU Protocol  
 Master Programmable : Baud rate (9600), Parity (O/E/N), Data bits (7/8), Stop bits (1/2)  
 No. of slave ID : 1-250

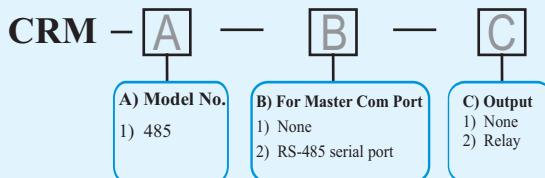
## Error Monitoring

Indications : Over / Open / Read error

## Programmable Parameters

Set Point : 2 Nos. AL1, AL2 User Programmable  
 Setting : 3 Nos. push button front keys (with password protection)  
 Alarm Logic : High or Low user programmable

## ORDERING INFORMATION



## Optional

Relay : 1 No. SPDT Relay for Rating "2A/120VAC, 2A/24VDC, for each channel with settable latching feature.

## Environmental

Operating Temp. : 0 to 50°C

Humidity : Below 90% rH, Non condensing.

## Electrical

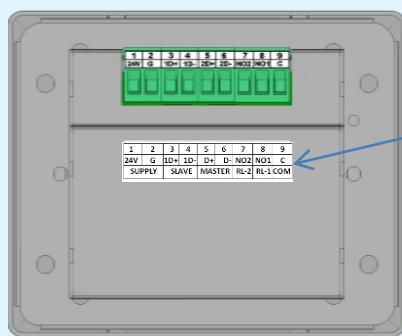
Supply Voltage : 24VDC ± 10%  
 Wattage : Less than 1.2 watt at 24VDC

## Dimensions

Flush Plate : SS-304  
 Front plate size : 110 mm(W) x 90 mm(H)  
 Back enclosure : 76 mm (W) x 70mm(H) x 45mm(D) MS with powder coated  
 Mounting : Modular wall mounting with Stainless Steel Front

## BACKSIDE CONNECTION DETAILS

24V DC and RS 485 connection details for clean room monitor



1	2	3	4	5	6	7	8	9
24V	G	1D+	1D-	D+	D-	NO2	NO1	C

Manufactured by :

 AMBETRONICS ENGINEERS PVT. LTD.

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