

# ACH Hospital Room Monitor with Touch Screen

Hospital Touch Screen Room monitor Model AI-CRS4-IA-TFT is a 5" full color screen TFT touch panel to support sensors for Temperature, Humidity, Differential Pressure & ACH with a high resolution screen, easy to readout 4 Line Display with Engineering unit display for each input.

The Hospital Room Monitor is especially designed for Hospital Isolation rooms & Hospital Operation Theatre Rooms. Also available with Real Time Clock Display as an option.

It has an integrated buzzer alarm for process limit violation alert for all the 4 parameters of Temperature, Humidity, Differential Pressure & ACH.



Air changes per hour





# Specifications

Model	AI-CRS4-IA-TFT-5
Measuring Range	Temperature : -10.0 Deg. C to + 60.0 Deg. C Humidity : 0.0 to 99.9% R.H. Non condensing Diff. Pressure : -100 to + 100 Pascals/-500 to + 500 pascals selected ACH : Standard 0 to 100 ACH , Field Changeable Depending on Room Size & Duct Size
Sensors	Digital Combination sensor for Temperature & Humidity with 5 mtrs. cable In Built Differential Pressure Sensor with 2 Nos. Hose Nipples (+ve & -ve) at the back External ACH Transmitter with 4-20mA Output for Duct installation
Accuracy	Temperature : +/- 0.5 Deg.C +/- 1 count Humidity : +/- 1.8% R.H. +/- 1 count Diff. Pressure : +/- 0.5% F.S. ACH : Better than 1 Air Change Per Hour
Display	Multi row ( 4 Rows ) 5" Full Colour Touch TFT with Individual Parameter Engineering Unit Display
Alarm	In built buzzer for alarm alert for each channel, high & low limit violation alert with background colour change to red in alarm condition with Acknowledgement Key
Enclosure	Modular Wall/Brick Wall Mountable M.S. Back Box with Stainless Steel Front Flush Plate.
Power Supply	12-24VDC, by the way of 110-230 VAC, 50-60Hz Adaptor provided along with (Fits well in USA and European countries Also)
Communication	RS485 MODBUS Communication / Optional Ethernet TCP/IP Communication
Supply Scope	1 unit of ACH Monitor with External sensors, 12-24VDC Adapter, Instruction manual, Calibration certificate

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow  
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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