

Touch Screen Differential Pressure Monitor (Temp,RH, Diff. Pressure)

Model: AI-CRM3-TFT



BUILT-IN HUMI-TEMP SENSOR

Touch Screen Clean Room Monitor Model AI-CRM3-TFT is a 3.5" full color screen TFT panel to support sensors for Temperature ,Humidity & Differential Pressure. High resolution TFT Screen comes with easy to readout 3 Line Display with Engineering unit display for each input. The Clean Room Monitor has an integrated buzzer alarm for process limit violation alert for all the 3 parameters of Temperature ,Humidity& Differential pressure. The Clean Room Monitor is especially designed for pharma clean rooms, Hospital Operation Theatre Rooms & Isolation rooms .Also available with Real Time Clock as an option. Standout features include colour background change in alarm condition , in built buzzer alarm & RS485 modbus communication

Manufacturer	Ace Instruments
Measuring Range	Temperature : 0.0 Deg.C to +50.0 Deg.C Humidity : 0.0 to 100.0 %RH Differential Pressure : -100 to + 100 Pascal (In Built Sensor) ; Any other range as per requirement
Accuracy	Temperature : ± 0.2 Deg.C for 0 to 50.0 Deg.C for Temperature Humidity : $\pm 1.8\%$ for 10 to 95% RH for Relative humidity Diferential Pressure : $\pm 0.5\%$ F.S. for Diferential Pressure
Sensor Type	Polymer sensing for Temperature Capacitive polymer sensing for Relative humidity Piezo Resistive Sensor for Differential Pressure
Display	Multi row 3.5" Height Full Color 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 Stain less 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).
Output	4-20mA Analog Output (Optional)
Communication	Isolated RS485 Modbus Protocol (Optional)
Dimensions	Front SS Plate : 180(W) x 200(H) (Approx., May Change depending on Inputs & Config) Back MS box : 110 (W)x 150 (H)x 40 (D)mm.
Calibration	Will be provided at no extra cost valid for 1yr traceable to Electronic Test & Development Centre.
Supply Scope	1 Unit of CRM3-TFT Clean Room Monitor, 12-24 VDC Power Adapter, Silicon Tube, Instruction Manual and Factory Calibration Certificate



Reactor Rooms



Isolation Rooms



Blood Banks

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

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