CLEANROOM MONITORS

AWS-CRM1-1

Ideal for pharma, biotechnology, HVAC, isolation rooms, hospitals, & more

NEW

- **Easy cabling** and **clean mounting** in our modular wall panels.

- **Parameter sensors are integrated inside** for ease of use & simpler installation.

- The **combination pressure, humidity, & temperature sensor** is flushed to the front stainless steel plate.

- The **sensor is built-in** with hose nipple connections at the rear for **positive & negative pressure** connections.

- **Standalone or integrated** to environmental monitoring systems (EMS).

Achieve essential measurements:

⇒ Temperature

⇒ Humidity

⇒ Differential pressure

Additional quality features are available:

✓ **integrated buzzer** for parameter violation alert

✓ **Individual LED** for out of limit visual alert

✓ **Modbus Communication** for easy integration to BMS/SCADA/EMS.

AWS BIO-PHARMA TECHNOLOGIES

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SPECIFICATIONS

Model	AWS-CRM1-1
Sensor type	1) Polymer sensing for temperature 2) Capacitive polymer sensing for relative humidity 3) Piezoresistive sensor for differential pressure
Range	1) 0.0 to 50.0 °C typical for temperature 2) 0.0 to 100.0 % RH typical for relative humidity 3) 0.0 to 10.0 mm. W.C./0 to 100 pascals (Any other customized range as per user specifications)
Resolution	0.1 for both temperature & relative humidity, 0.1 mm.W.C. or 1 pascal for differential pressure
Accuracy	1) ± 0.5 °C for 0 to 50.0 °C for temperature 2) ± 1.8% for 10 to 95% RH for relative humidity 3) ± 0.5% F.S. for differential pressure

Display	3 Lines red, 7 segments, LED display of height 8"
	  Line 1 - 3 digits for differential pressure
	  Line 2 - 3 digits for temperature
	  Line 3 - 3 digits for % R.H. (humidity)

Buzzer	Integrated LED & buzzer alarm in case of process violation of any of the 3 parameters
Dimensions	Stainless steel front plate: 180 (W) x 200 (H) mm
	back box: 140 (W) x 150 (H) x 35 (D) mm
Supply Voltage	24VDC, 250mA
Mounted	Wall mounting / modular wall mounting with stainless steel front plate surface
Sensors	Integrated humidity & temperature sensor flush to front plate with built-in differential pressure sensor
Communication	RS-485 & Modbus protocol (optional 3 x 4-20mA for cache .1pt)
Enclosure	Modular wall mounting
Warranty	12 month warranty