CLEAN ROOM HUMI – TEMP MONITOR

WIRING

HUMI-TEMP TRANSMITTER

ACE INSTRUMENTS

TEMPERATURE HUMIDITY SENSOR

HUMI-TEMP MONITOR

TEMP 27.8 °C

HUMI 49.3 %RH ACK

AI-RHTm   ACE INSTRUMENTS
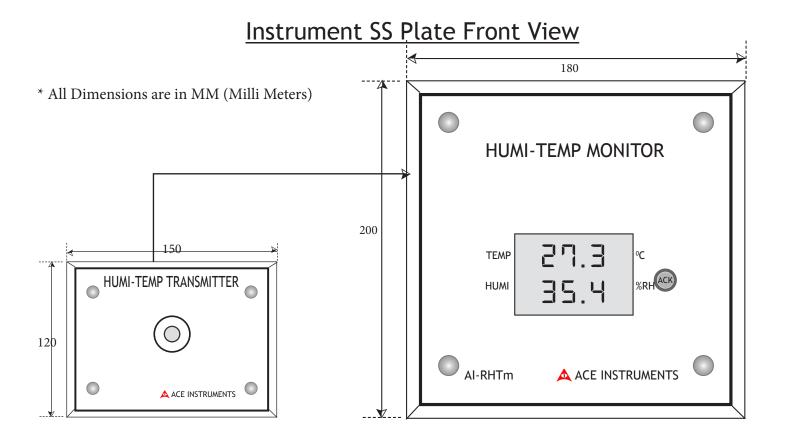
Model: AI-RHTm

The ACE INSTRUMENTS make Pharma Clean Room Humi-Temp Monitor is designed to measure the vital parameters of Temperature & Humidity in pharma clean room applications. The Clean Room Monitor Model AI-RHTm is designed for minimum cabling and easy flush mounting in modular wall panels or brick walls of Clean Room.
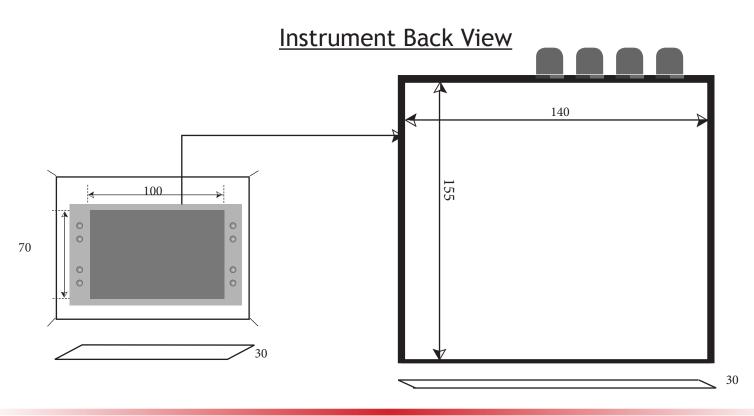
The Humidity & Temperature is sensor integrated inside & escaped on to the front plate for ease of use & installation.

SPECIFICATIONS

Manufacturer	ACE Instruments
Model	AI-RHTm
Measuring Range	1) 0.0 to 50.0 Deg. C for Temperature 2) 0.0 to 99.9% RH for Humidity
Display	2 line red 7 segment LED Display on Height 1", 3 digit for tempearture (Deg C) on line 1, 3 digit for % RH (Humidity) on line 2.
Accuracy	1) ± 0.5 Deg.C for 0.0 to 50.0 Deg.C for Temperature 2) ± 1.8% for 10 to 95% RH for Relative humidity
Resolution	Fixed 0.1 for both Temperature & Relative humidity
Supply Voltage	24VDC, 250mA
Mounting	Wall mounting / Modular Wall mounting with Stainless Steel Front Flush Plate for Clean Rooms
Enclosure	M.S. Powder Coated Body with SS Front Flush Plate for Modular wall mounting
Communication	RS 485 Modbus Protocol Communication for BMS/SCADA Integration (Optional @ Extra cost)
Sensor Type	1) Polymer sensing for Temperature, 2) Capacitive polymer sensing for Relative humidity
Buzzer	Integrated Audio and LED buzzer Alarm in case of process violation (LO & MI for each temperature & Humidity)
Dimensions	Front Stainless Plate : 200(H) x 180 (W) mm Back Box : 35 (D) x 175 (H)x 140 (W) mm.
Weight	975 gms. Approx
Calibration	Will provided at no extra cost. Valid for 1 year
Warranty	12 Months Manufacturer warranty

DIMENSIONAL DRAWING

Instrument SS Plate Front View

* All Dimensions are in MM (Milli Meters)

180

200

HUMI-TEMP MONITOR

150

HUMI-TEMP TRANSMITTER

120

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TEMP   27.3   °C

HUMI   35.4   %RH   ACK

AI-RHTm   ACE INSTRUMENTS

Instrument Back View

140

155

100

70

30

30