

FLAMEPROOF HUMIDITY & TEMPERATURE INDICATOR WITH TRANSMITTER



AI-RHT-D-EX



AI-RHTA-FLP-LCD

Only 50mm. Depth

MIN/MAX FEATURE

ACE INSTRUMENTS make Flameproof Humidity & Temperature Indicator simultaneously measures % RH & Temperature in hazardous area applications. The flameproof display unit accepts 2 Analog Inputs of 4-20mA received from external flameproof humi-temp transmitter. The External Humi-Temp Transmitter Model AI-RHT-D-EX gives 2 Analog Outputs one each for temperature & humidity. Optional RS 485 Modbus Communication is also available as an additional feature. The instrument finds immense usage in pharmaceuticals, petrochemicals, bulk, drugs, chemicals, warehouses, pharma clean rooms & other allied applications.

Specifications

Manufacturer	ACE Instruments
Model	Transmitter : AI-RHT-D-EX , Display Unit : AI-RHTA-FLP-LCD
Sensor Type	1) Polymer sensing for Temperature 2) Capacitive polymer sensing for Relative humidity
Range	1) 0.0 to +60.0 Deg.C typical for Temperature Standard (Speak to speak to Factory team for any other ranges) 2) 0.0 to 100.0%R.H. for Relative humidity
Communication	Optional RS 485 Modbus Protocol Communication for BMS (Speak to Ace Instruments Team for details)
Resolution	Fixed 0.1 for both Temperature & Relative humidity
Accuracy	1) ± 0.5 Deg.C for Temperature 2) $\pm 1.8\%$ for 10 to 95% RH for Relative humidity $\pm 2\%$ for all other ranges
Display	2 - line 128 x 64 Graphic LCD Display with MIN/ MAX Feature.
Supply Voltage	24VDC / 300mA
Enclosure	Flameproof / Weatherproof Aluminium LM-6 Body Certified by Central Institute of Fuel & Mining Research (CIMFR), Dhanbad for use in Gas Group Areas I, II, IIA & IIB
Sensor Housing	Standard Stainless Steel Perforated Integrated Housing Pipe / Optional Stainless Steel External Perforated Housing for Remote Room Monitoring Wired Sensor (speak to Factory for this Option)
Output	2 x 4-20 mA outputs, 1 each for Temp and Humidity.
Dimension	Instrument Enclosure : 220 x 210 x 50 mm (H x W x D) , Transmitter: 120 x 120 x 90 (L x B x D) mm
Warranty	12 Months Manufacturer Warranty

ACE INSTRUMENTS

(AN ISO 9001 - 2015 COMPANY)

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