

FLAMEPROOF HUMIDITY & TEMPERATURE INDICATOR TRANSMITTER



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ACE INSTRUMENTS make Flameproof Humidity & Temperature Indicator simultaneously measures %R.H. & Temperature in hazardous area applications. With 2 Analog Outputs of 4-20mA, one each for temperature & humidity along with optional RS485 Modbus communication, the instrument finds immense usage in pharmaceuticals, petrochemicals, bulk, drugs, chemicals, warehouses, pharma clean rooms & other allied applications.



Specifications

Manufacturer	ACE Instruments
Model	AI-RHT-FLP
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 X 4 Digit RED LED Display of Height 0.4" (1 Each for Humidity & Temperature)
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)
Cable Connection	Terminal Connectors suitable for 1.5 Sq.mm. Cable
Dimension	Instrument Enclosure is 140 mm. Dia x 88 mm Depth
Warranty	12 Months Manufacturer Warranty

ACE INSTRUMENTS

(An ISO 9001-2008 Certified Company)

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