

# FLAMEPROOF HUMIDITY & TEMPERATURE TRANSMITTER (MODEL AI-RHTx-FLP)



## **TECHNICAL SPECIFICATIONS:**

Sensor Type	: 1) Polymer sensing for Temperature 2) Capacity polymer sensing for Relative humidity
Range	: 1) 0.0 to +60.0°C typical for Temperature (Any other as per requirement) 2) 0.0 to 100.0%RH typical for Relative Humidity
Output	: 2x 4-20mA One Each for temperature & humidity/Optional RS 485 MODBUS Output @ Additional Charge
Resolution	: Fixed 0.1 for both Temperature & Relative Humidity
Display	: Optional 2 Line, 4 Digit 7 Segment Red LED Display @ Additional Charge
Accuracy	: 1) $\pm 0.5$ C for -30.0 to +50.0 Deg. C for Temperature 2) $\pm 1.8\%$ for 10 to 95% RH for Relative humidity $\pm 2\%$ for all other ranges.
Supply Voltage	: 10-30 V.D.C., Typical 24VDC / 200mA
Mounting	: Duct Mounting With Duct Clamp Provided

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Sensor Housing : Stainless Steel 304 Duct Pipe with Aluminium LM -6 Terminal Housing  
Instrument Housing : Flameproof Aluminium LM - 6 Housing Certified by CIMFR , Dhanbad for use in gas Group Areas I, II, IIA, & IIB  
Cable Entry : 1 No. Double Compression 19mm. Cable Gland  
Dimension : 300 mm. Length , 8 mm. O.D.  
Weight : 900g. Approx.

**Connection Diagram:**

1	2	3	4
24 VDC	Common Ground	% R.H. Output	Temp. Output

*Manufactured By :*

**ACE INSTRUMENTS**

*(An ISO 9001-2008 Certified Company)*

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