

# FLAMEPROOF DUCT MOUNTED HUMIDITY & TEMPERATURE TRANSMITTER



## Specifications

Sensor Type	1) Polymer sensing for Temperature 2) Capacity polymer sensing for Relative humidity
Range	1) 0.0 to +50.0°C typical for Temperature (Any other as per requirement) 2) 0.0 to 100.0%RH typical for Relative Humidity
Output Options	Option 1 : 2 x 0-10 VDC, 4 Wire Output , One each for temperature & humidity Option 2 : 2x 4-20mA One Each for temperature & humidity Option 3 : RS 485 MODBUS Output
Resolution	Fixed 0.1 for both Temperature & Relative Humidity
Display	Optional 2 Line, 4 Digit 7 Segment Red LED Display @ Additional Charge
Accuracy	1) $\pm 0.3$ Deg. C +/- 1 count for 0.0 to +50.0 Deg. C Temperature 2) $\pm 1.8\%$ for 10 to 95% RH for Relative humidity +/- 2% for all other ranges
Supply Voltage	24VDC / 200mA
Mounting	Duct Mounting With Duct Clamp Provided
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	250 mm. Length , 8 mm. O.D.
Weight	900g. Approx.

## Connection Diagram

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

MODEL AI-RHTx-D-FLP



## ACE INSTRUMENTS

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