

Duct Mounted Temperature-Humidity Transmitter



Model: AI-RHTx-D



TEMP



HUMIDITY

Features

- Polymer capacitive sensing for humidity and temperature
- Durable ABS duct mounting plastic enclosure
- Dual 4-20mA outputs, 1 each for temperature and humidity
- No affect of condensation on output & stability
- Optional display

Ace Instruments' AI-RHTx-D is a durable solution suited for mounting in HVAC ducts in commercial buildings, hospitals and retail spaces. The instrument features a polymer capacitive sensor that reliably measures temperature and humidity with high accuracy. The capacitive basic sensor is not affected by condensation & gives top-of-the-line long-term stability.

The instrument is housed in a durable ABS plastic enclosure (IP 65 rated) and features a standard stainless steel probe. The AI-RHTx-D is a high accuracy solution with customizable measuring ranges. The duct transmitter provides dual 4-20mA outputs, 1 each for humidity and temperature.

Comprehensive indoor air quality monitoring range
CO₂ | CO | Temp | Humi | VOC | PM | O₂



Improve occupant comfort and building environment through IAQ monitoring in..



Retail spaces



Workspaces



Hospitals and Laboratories



Auditoriums & museums

Specifications

Temperature	Measuring Range: 0-50°C (Customizable) Accuracy: $\pm 0.5^{\circ}\text{C}$
Humidity	Measuring Range: 0-95%RH Accuracy: $\pm 1.8\%\text{RH}$
Sensor	Capacitive polymer sensing for humidity and temperature
Operating Humidity Range	0-95%R.H., non-condensing
Power Supply	24 VDC, 100mA typical
Output	4 Wire output, 4-20mA, 1 each for temperature & humidity
Caibration	Factory calibrated with calibration certificate
Dimensions (Enclosure)	80(W) x 80 (H) x 55 (D) mm
Dimensions (Duct Pipe)	8 mm diameter and 250mm length stainless steel (customizable)
Display	2 line temperature & humidity display, 4 digits of 0.4" height each

In compliance with leading global standards



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