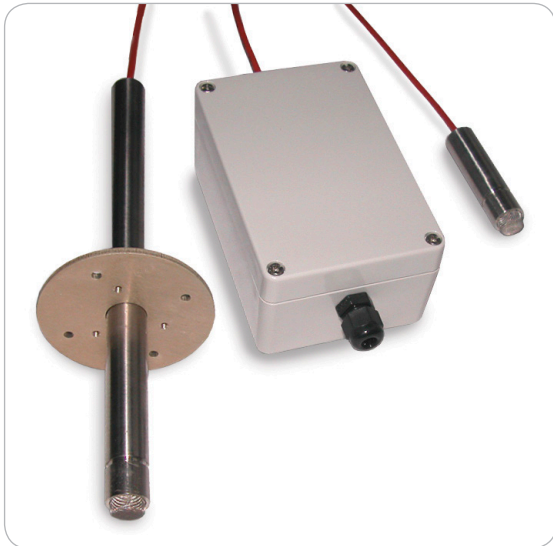


Wide Range RH/Temperature Transmitter and Probe



- Wall or Duct Mounting (wall mount bracket included with wall mount version)
- Remote Stainless Steel Probes
2.5" Wall Mounted, 8.5" Duct Mounted
- Adjustable or removable duct flange included with duct mount version
- Water-tight stainless steel NEMA 4 probe housing
- 4 to 20 mA outputs
- -40 °C to 180 °C (-40 °F to 356 °F)
Operating Range

The HTRH series two-wire remote transmitter measures relative humidity and temperature over a wide temperature range (-40 °C to +180 °C). The transmitter comes with either a wall mounted or duct probe. The HTRH-W 2.5 in. stainless steel probe is used for wall mounting. The HTRHD 8.5 in stainless steel duct probe has a removable flange. The probes are connected to the transmitter with 40" (1 M) teflon cables.

Relative Humidity

3 % RH to 95 % RH range,
accuracy ± 2 % RH at 25 °C

Typical Temp. Characteristics:

-40 °C to 150 °C at 0.05 % RH/°C

Operating Range: -40 °C to +180 °C

Time constant under 30 seconds

Temperature

-40 °C to +180 °C at ± 0.5 °C
Time constant under 4 seconds

RH and Temperature Outputs

4 to 20 mA

Input Voltage

7 to 30 VDC polarity protected

Dimensions

Transmitter:

ABS housing, 120 mm x 80 mm
(4.72 in x 3.14 in x 2.16 in)
Temp. operating range -20 °C to +70 °C.
Meets NEMA 4x, 13 specifications

Wall Probe

Stainless steel, 64 mm x 16 mm
diameter (2.5 in x .625 in),
includes metal wall mounting clip,
40 in. (1 M) teflon cable

Duct Probe

Stainless steel, 216 mm x 16 mm
diameter (8.5 in x .625 in),
1 M (40 in) teflon cable with
adjustable or removable duct flange
70 mm (2.75 in) diameter

Probe Housings

Stainless steel NEMA 4 enclosure

Connectors

Liquid tight for .09 in. to .265 in.
diameter cables. 4 pin plug-in screw
terminal block for outputs. 5 pin screw
terminal block for sensor cable.

Weight

Wall probe with transmitter 397 grams (14 oz)
Duct probe with transmitter 567 grams (20 oz)

ORDERING INFORMATION

Transmitter with Wall Mounted 2.5" Probe

Order Model: HTRH-W

Transmitter with Duct Mounted 8.5" Probe

Order Model: HTRH-D

Included Accessories

Manual P/N HTRH-900-01

Optional Accessories

RH Calibration Kit P/N RH-CAL

Allows fast calibration of all TEGAM humidity controllers and transmitters. Calibration salts for 11 % and 75 % RH points are good for at least two years. The kit contains the following:

- (2) Bottles containing 1 oz. (28 gm) each of ACS' reagent quality, lithium chloride (11.3 % RH) salt and sodium chloride (75.3 % RH) salt.
- (2) Fitting caps to accommodate all TEGAM humidity controllers and transmitters.
- (1) liquid dropper
- Set of instructions
- Case

Z540 Compliant Calibration with Certificate and Data P/N OPT-Z540

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