

Temperature & Humidity Transmitters

HUMIDITY CONTROLLERS AND TRANSMITTERS

- **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**

Wide Range RH/Temperature Transmitter and Probe

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 HTRH-D 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. diam-
eter 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

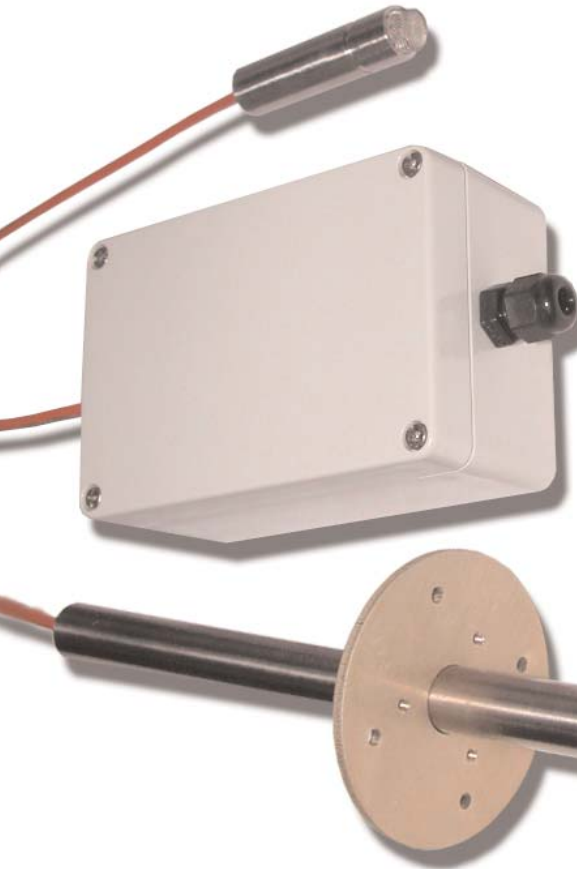
Manual P/N HTRH-900-01

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



Prices and specifications subject to change without notice.



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