

Relative Humidity/ Temperature Transmitters

- ✓ 2% RH Accuracy
- ✓ Easy to Install/Calibrate
- ✓ Rugged Design
- ✓ User-Selectable Outputs
- ✓ Reliable Sensor Technology
- ✓ Outside Air, Room, Duct Mount Models Available

The HX95 Series RH/temp transmitters offer superior versatility, reliability, and performance in low-profile space mount, duct mount, and outside air mount models. Prewired base and plug-in electronics in the cover make installation quick and easy. Wiring is connected to the terminal block in the base and the cover can be snapped into place at a later time, allowing the user to mount and wire the unit without the sensor and electronics.

Outputs available are either 4 to 20 mA, 0 to 5 Vdc, or 0 to 10 Vdc. The voltage output unit is jumper selectable for either 0 to 5 Vdc or 0 to 10 Vdc; all models are available with either 2 or 3% RH accuracy. Typical drift is less than 1% per year and all models can be quickly field calibrated using the HX95-CAL handheld one point RH calibrator. Just plug the HX95-CAL into the phone jack connector on the transmitter. The HX95-CAL displays the RH reference environment as well as the transmitter RH reading during calibration. A quick one-point offset adjustment allows calibration in about 60 seconds without interrupting transmitter operation.

The HX95, HX96, and HX97 transmitters, as well as the HX95-CAL, feature a bulk polymer resistive sensor that will not be affected by surface contamination in dirty environments. As a result, you can expect long-term stability with minimal drift. The HX97 outside air model is in a rugged case with the probe housed in an aluminum sheath allowing for uniform air flow, making it ideal for applications requiring a rugged transmitter to monitor outside air RH and temperature.



HX95 Series
£211
Basic Unit



HX95 space mount transmitter shown with HX95-CAL RH calibrator, £211 + 168 = £379.

Specifications

Sensing Element:

RH: Resistance change bulk polymer

Temp: Thin-film platinum RTD

Accuracy at 25°C (77°F):

RH: ±2% or 3% RH from 20 to 95% RH

Temp: ±0.3°C (±0.5°F)

Operating Range:

0 to 99% RH non-condensing

-29 to 60°C (-20 to 140°F)

Long-Term Stability:

Less than 1% drift per year

Sensitivity:

0.1% RH

Repeatability:

0.5% RH

Signal Outputs:

4 to 20 mA, 0 to 5 Vdc, 0 to 10 Vdc linear (jumper selectable range on voltage output)

Supply Voltage:

18 to 36 Vdc

Storage Temperature:

-65 to 70°C (-85 to 185°F)

Dimensions:

See diagram

Weight:

All models under 2 lb (907 g)

HX95-CAL SPECIFICATIONS

Sensing Element:

Resistance change bulk polymer

Calibration Range:

20 to 90% RH

Single Point Calibration Accuracy:

±2.5% RH

Reference Probe Accuracy:

±2% RH (20 to 90% RH)

Long-Term Stability:

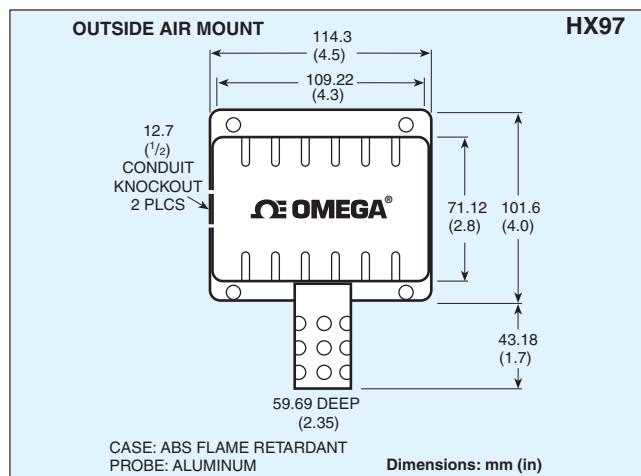
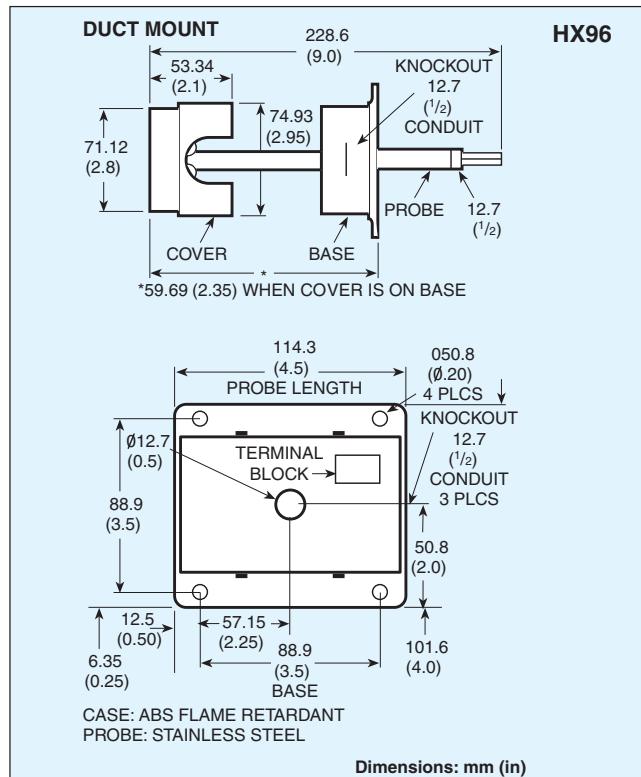
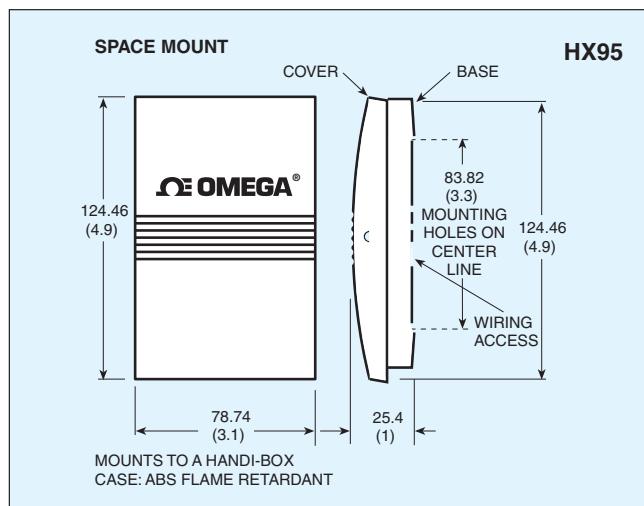
<1% drift per year

Probe Dimensions:

Diameter: 12.7 mm (0.5") ; length: 76.2 mm (3")

Power Supply:

Supplied by HX95/6/7 (18 to 36 Vdc)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
HX95-(*)-(**)-S	£211	Space mount RH/temperature transmitter
HX96-(*)-(**)-D	291	Duct mount RH/temperature transmitter
HX97-(*)-(**)-OA	305	Outside air RH/temperature transmitter
HX95-CAL	168	Handheld RH calibrator for HX95, HX96, HX97
TX4-100	23.50	4-conductor shielded transmitter cable, 30 m (100')
CAL-3-HU	84	NIST-traceable calibration
PSR-24S	40	Regulated power supply, US plug, 90 to 264 Vac input, 24 Vdc output, 400 mA, screw terminals, UL
PSR-24L	40	Regulated power supply, US plug, 90 to 264 Vac input, 24 Vdc output, 400 mA, stripped leads, UL
PSR-24L-230	40	Regulated power supply, European plug, 230 Vac input, 24 Vdc output, 400 mA, stripped leads, CE
PSU-93	27	Unregulated power supply, 16 to 23 Vdc, 300 mA max, screw terminal

*Insert "2" for 2% accuracy or "3" for 3% accuracy add £64 for 2% accuracy models.

**Insert "C" for current output or "V" for voltage output (no additional charge).

All units come with complete operator's manual.

Ordering Example: HX97-2-C-OA, outside air RH/temperature transmitter, 2% accuracy, 4 to 20 mA output, £305 + 64 = £369.



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• Flow and Level

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• pH and Conductivity

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• Data Acquisition

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters