

Relative Humidity Temperature Transmitters

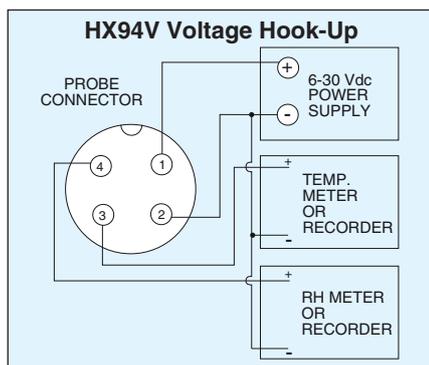
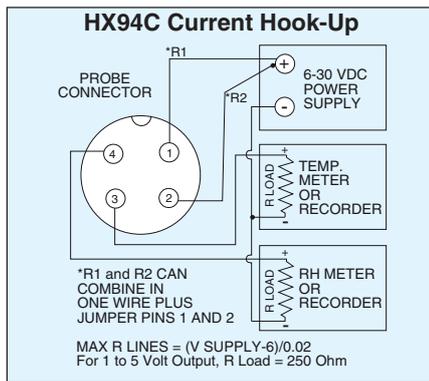
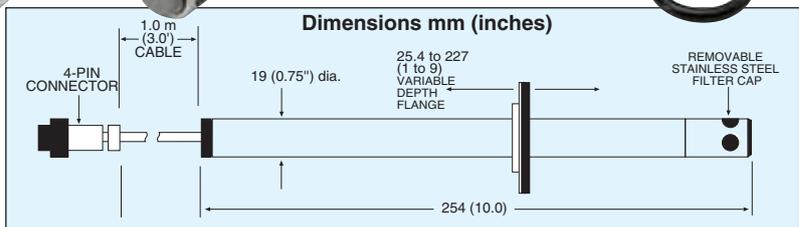
- ✓ Stainless Steel NEMA-4 Housing
- ✓ 3 Different Output Connection Styles Available for Mounting Versatility
- ✓ 4 to 20 mA/0 to 1 Vdc Outputs
- ✓ Removable Stainless Steel Sensor Filter for Cleaning Ease

HX94 Series Starts at

£157



The HX94 relative humidity/temperature transmitter provides a reliable and low cost method for duct mount monitoring applications. Solid state sensors provide excellent sensitivity, fast response, and stability. Simple hook-up and linearised output permit interfacing with most display and control devices.



Specifications

RELATIVE HUMIDITY

Thin-Film Polymer Capacitor

Input Voltage Range:

6 to 30 Vdc, (polarity protected)

Range/Accuracy/Repeatability:

3 to 95% RH/±2% RH/±1% RH

Temperature Compensation:

-20 to 85°C (4 to 185°F)

Current Output:

HX94C: 4 to 20 mA (0 to 100% RH)

Voltage Output:

HX94V: 0 to 1.0 Volt (0 to 100% RH)

Time Constant: (for 90% response at 25°C; in moving air, 1m/sec.)

Less than 20 seconds, 10 to 90% RH
Less than 30 seconds, 90 to 10% RH
TEMPERATURE
Thin-Film 100 ohm Platinum RTD (DIN 43760)

Input Voltage Range:

6 to 30 Vdc, (Polarity Protected)

Range: 0 to 100°C (32 to 212°F)

Accuracy: ±0.6°C (±1°F)

Repeatability: ±0.3°C (±0.5°F)

Current Output:

HX94C: 4 to 20 mA for 0 to 100°C

Voltage Output:

HX94V: 0 to 1.0 Volt for 0 to 100°C

Time Constant: (for 60% response)

Less than 2 seconds in moving air (1m/sec) Less than 10 seconds in still air

MECHANICAL

Housing: Stainless steel NEMA-4 enclosure

Probe: 254 x 19 mm (10 x 0.75") dia., 305 mm (12") cable

Duct Flange: Removable, variable 25.4 to 227 mm (1 to 9") depth. 70 mm (2.75") dia., duct hole 21 mm (0.812") dia. 4 mtg holes. 4 mm (0.156") dia. (for #6 sheet metal screws) on 51 mm (2.00") dia. circle. Wall mounting bracket included.

Connections: HX94C/94V: 4 pin mating connector accepts 26 to 18 AWG wires. HX94CW/94VW: 1 m (3') braided and shielded cable, PVC sheathing.

HX94CNPT/94VNPT:

½" male NPT conductor with 1 m (3') braided/shielded cable

Weight: 198 g (7 oz) with duct flange

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
HX94C	£178	RH/temp transmitter with 4 to 20 mA outputs with 4 pin connector
HX94V	178	RH/temp transmitter with 0 to 1 Vdc outputs with 4 pin connector
HX94CW	157	RH/temp transmitter with 4 to 20 mA outputs with 1 m (3') lead wires
HX94VW	157	RH/temp transmitter with 0 to 1 Vdc outputs with 1 m (3') lead wires
HX94CNPT	164	RH/temp transmitter with 4 to 20 mA outputs with ½" male NPT fitting and 1 m (3') leads
HX94VNPT	164	RH/temp transmitter with 0 to 1 Vdc outputs with ½" male NPT fitting and 1 m (3') leads
HX94-MC	6.70	Spare 4 pin mating connector
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
TX4-100	19	4 conductor shielded transmitter cable, 30 m (100')
CAL-3-HU	84	NIST-traceable calibration

Comes with mating connector, removable protective sensor filter, removable duct flange, wall mounting bracket, and operator's manual.

Ordering Example: HX94C, duct mount RH/temperature transmitter with 4 to 20 mA output, £178.

Hu-32

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