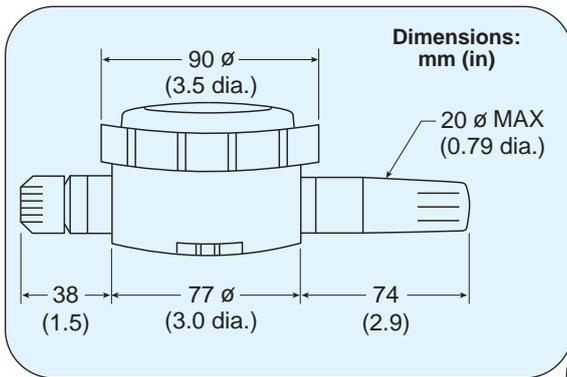


Humidity/Temperature Transmitters

- ✓ Fast, Stable, and Accurate
- ✓ Watertight Enclosure
- ✓ Compact, Easy to Use
- ✓ Excellent Long-Term Stability
- ✓ Wide Input Voltage Range (12 to 40 Vdc)
- ✓ Available with Either Current or Voltage Output
- ✓ On-Site, 2-Point Calibration (Zero and Span)

HX300 Series
Starts at
£127



The HX300 Series transmitter is designed for industrial environments requiring fast, stable, and accurate measurements. It employs a highly stable thin-film polymer capacitor to sense relative humidity, and a high-accuracy, thin-film RTD to accurately sense temperature.

Specifications

Measurement Range (Humidity):

0 to 100% RH @ 0 to 50°C
(32 to 122°F)

Measurement Range (Temperature):

0 to 100°C (32 to 212°F)

Accuracy (25°C):

$\pm 2.5\%$ RH, $\pm 0.3^\circ\text{C}$

Long-Term Stability:

Better than 1% RH per year (typical)

Temperature Compensation:

0.008% RH/°C (effect @ 05 RH)

Response:

<15 seconds (90% @ 25°C in moving air at 0.5 m/sec)

Sensors:

Humidity: Thin-film capacitor

Temperature: RTD PT100 Ω ,

IEC 751, DIN 43760

Output:

Current: 4 to 20 mA, 2-wire $\pm 15\%$

scalable zero and span adjustment

Voltage: 0 to 1 V

Supply Voltage:

12 to 40 Vdc

(24 Vdc recommended)

Sensor Protection:

Sintered filter

Housing:

ABS plastic watertight enclosure to IP65 (NEMA 4)

Connections:

Liquid-tight nylon, cable bushing fits 5 to 10 mm dia.

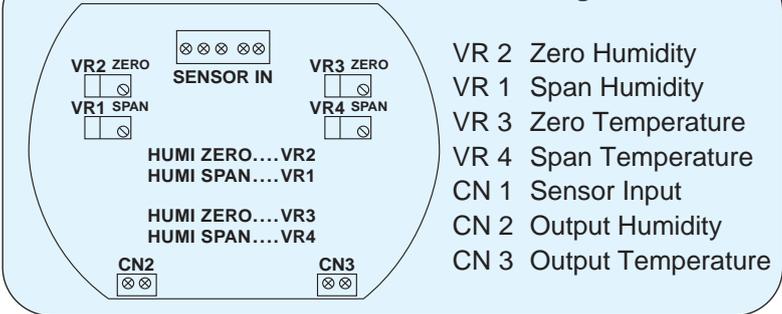
(0.2 to 0.4") cables

Operating Temperature:

0 to 50°C (0 to 122°F)

Weight: Approx 150 g (5.3 oz)

On Site Calibration and Wiring



- VR 2 Zero Humidity
- VR 1 Span Humidity
- VR 3 Zero Temperature
- VR 4 Span Temperature
- CN 1 Sensor Input
- CN 2 Output Humidity
- CN 3 Output Temperature

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
HX303C	£151	Wall mount RH/temperature transmitter, 4 to 20 mA current outputs
HX303V	151	Wall mount RH/temperature transmitter, 0 to 1 voltage outputs
HX302C	127	Wall mount RH transmitter, 4 to 20 mA current output
HX302V	127	Wall mount RH transmitter, 0 to 1 voltage output
PSR-24L-230-UK	40	Regulated power supply, 3-pin UK plug, 230 Vac input, 24 Vdc output, 400 mA, stripped leads
PSR-24L-230	40	Regulated power supply, 2-pin Euro plug, 230 Vac input, 24 Vdc output, 400 mA, stripped leads
CAL-3-HU	90	Traceable calibration certificate with test results

Comes with operator's manual.

Ordering Example: HX303C, wall mount RH/temperature transmitter with current output, £151.



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• Flow and Level

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• pH and Conductivity

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• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• 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