Economical RH Sensor/Transmitter
For Wall or Duct Mounting

HX71-MA
shown actual size.

HX71 Series

1 YEAR WARRANTY **NIST** **CE**
Optional

✔ **316 SS Housing or ABS Plastic Watertight Enclosure**

✔ **Accurate to ±4% RH @ 23°C**

✔ **3 Different Output Models: 4 to 20 mA, 0 to 1 Vdc or 0 to 5 Vdc**

✔ **Removable Stainless Steel Sensor Cap**

✔ **Ideal for Wall or Duct Mounting**

The HX71 Series relative humidity sensor/transmitter provides a reliable and economical method for most relative humidity monitoring applications. The compact design is ideal for wall or duct mounting. Each unit is factory calibrated to provide excellent sensitivity, fast response, and stability. The unit features a simple installation and hookup. The linearized current or voltage output permits interfacing with most display and control devices like meters, controllers, recorders, and data loggers. The design features a 316 SS NEMA 4 (IP66) housing and includes a shielded output cable with stripped wire leads. A mounting kit is available that allows for wall or duct mounting.

IND-KIT wall/duct mounting kit, shown smaller than actual size.

Specifications

Accuracy RH:
±4% RH from 15 to 85% RH@23°C
±4.5% RH below 15 and above 85% RH@23°C

Input Voltage Range:
   HX71-MA: 8 to 12 Vdc (polarity protected)
   HX71-V1, HX71-V2: 8 to 24 Vdc (polarity protected)

Output:
   HX71-MA: 4 to 20 mA for 0 to 100% RH
   HX71-V1: 0 to 5 Vdc for 0 to 100% RH
   HX71-V2: 0 to 1 Vdc for 0 to 100% RH

RH Temperature Compensation:
-25 to 85°C (-13 to 185°F)

Repeatability: ±1% RH

Housing: 316 stainless steel

Connections: 2 m (6') shielded cable, stripped leads, PVC sheath

Dimensions:
   Stainless Steel Tube Model:
   130 L x 16 mm D (5.125 x 0.625")
   ABS Enclosure Model:
   49.8 L x 64.8 W x 34.8 mm D (1.96 x 2.55 x 1.37")

Removable sensor filter.

Weight:
   Stainless Steel Tube Model: 67 g (0.18 lb)
   Enclosure Model: 82 g (2.9 oz)

HX71-MA-NB shown smaller than actual size.

To Order

Model No.	Description
HX71-MA	RH sensor/transmitter with 4 to 20 mA output
HX71-V1	RH sensor/transmitter with 0 to 5 Vdc output
HX71-V2	RH sensor/transmitter with 0 to 1 Vdc output

For ABS Enclosure Models add "-NB" to the model number, no additional charge.

Accessories

Model No.	Description
IND-KIT	Wall/duct mounting kit
PSR-12L	Regulated power supply, US plug, 100 to 250 Vac input, 12 Vdc output, 1.2A, stripped leads
PSR-24S	Regulated power supply, US plug, 90 to 264 Vac input, 24 Vdc output, 400 mA, screw terminals (not recommended for HX71-MA)
TX4-100	4-conductor shielded transmitter cable, 30 m (100')
CAL-3-HU	NIST traceable calibration with 3 data points

Comes complete with an integral shielded cable with striped wire leads, removable protective sensor cap and operator's manual.

***Ordering Examples: HX71-MA,** RH sensor/transmitter with 4 to 20 mA output.*
***HX70-MKIT** wall/duct mounting kit, and **PSR-12L** regulated power supply.*

***HX71-V1,** RH sensor/transmitter with 0 to 5 Vdc output, **IND-KIT** wall/duct mounting kit, **PSR-24S** regulated power supply, and **TX4-100** 4-conductor shielded transmitter cable.*

***HX71-MA-NB,** RH sensor/transmitter with 4 to 20 mA output and ABS Enclosure.*