# **Economical RH** Sensor/Transmitter

**MEGA** 

For Wall or Duct Mounting





## **HX71 Series**



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

✓ Accurate to ±4% RH @ 23°C

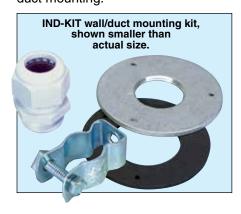
✓ 3 Different Output Models: 4 to 20 mA, 0 to 1 Vdc or 0 to 5 Vdc

✓ Removable Stainless **Steel Sensor Cap** 

✓ Ideal for Wall or **Duct Mounting** 

✓ RoHS 2 Compliant

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.



### **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)



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
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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-24Ś 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.