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”)

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

**Accessories**

- **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

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

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HX71-MA</td>
<td>RH sensor/transmitter with 4 to 20 mA output</td>
</tr>
<tr>
<td>HX71-V1</td>
<td>RH sensor/transmitter with 0 to 5 Vdc output</td>
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<tr>
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</tbody>
</table>

Comes complete with an integral shielded cable with stripped 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.