

# Humidity & Temperature Transmitter

## HT130



- Working Range (-)40 to 125 °C
- Precision Relative Humidity ± 3 % RH
- High Accuracy Temperature ± 0.4 °C
- Output 2 Wire 4-20 mA (Loop Powered)

The Humidity & Temperature Transmitter HT130 fit the requirement of accurate monitor the humidity and temperature in ambient air. The transmitter continuously measures the ambient humidity and provides an accurate, linear 4-20 mA output signal.

### Specifications

#### Input

**Number of Channel:** 2 Channels

**Input Type:** Humidity, Temperature

#### Input Range:

##### Humidity

*Input Range:* 0 to 100 % RH

*Working Range:* 5 to 95 % RH

*Response Time:* 1 sec.

*Precision Relative:* ± 3 % RH (Max.),

0 - 80 % RH

##### Temperature

*Input Range:* (-)40 to 125 °C

*Working Range:* (-)40 to 125 °C (Probe)

*Accuracy:* ± 0.4 °C (Max.),

(-)10 to 85 °C

#### Analog Output

**Number of Channel:** 2 Channels

#### Ordering Information:

Example HT130

#### Package Checklist

1. HT130

**Output Type:** Current (2-Wire)

**Output Range:** 4 to 20 mA

**Loop Powered:** 15 to 35 VDC

**Output Load Resistance:**

$$R_{load (Max.)} = (V_{supply} - 15)/0.02$$

**Isolation Voltage:** 500 Vrms, Between Output

#### Environmental Limits

**Operating Temperature:** 0 to 60 °C

**Operating Humidity:** 5 to 95% RH

**Storage Temperature:** 0 to 70 °C

#### Physical Characteristics

**Dimension:** W65 × H140 × D55 mm.

**Probe/Cable Length:** 215/800 mm.

**Probe Diameter:** 19 mm.

#### Warranty

**Warranty Period:** 1 Year

