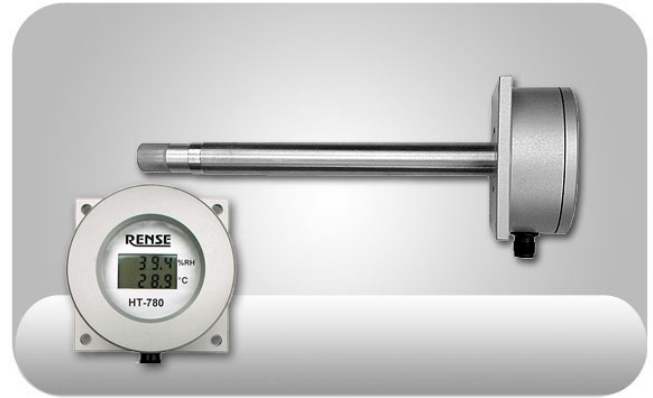


**Transmitter HT-780**

- 316 SS housing
- Integrated display for temperature and RH
- Different probe lengths available
- Rugged industrial construction



The HT-780 Relative Humidity & Temperature Transmitter and Display measures ambient relative humidity and temperature, and provides linear analog outputs directly proportional to the relative humidity and temperature.

It features rugged stainless steel construction, suitable for high temperature industrial applications. The T-12 and T-14 versions (see ordering info) have an easily readable 3/8" (10mm) LCD display.

The HT-780 provides a linear 4 to 20 mA 2-wire current loop signal directly proportional to 0 – 100% RH. It also has an integrated temperature transmitter that provides a 4 – 20 mA 2-wire signal corresponding to a -50 to +200 °C temperature range.

The HT-780 utilizes a thin-film polymer humidity sensor that provides excellent long-term stability and fast response. The

sensor fully recovers from any condensation.

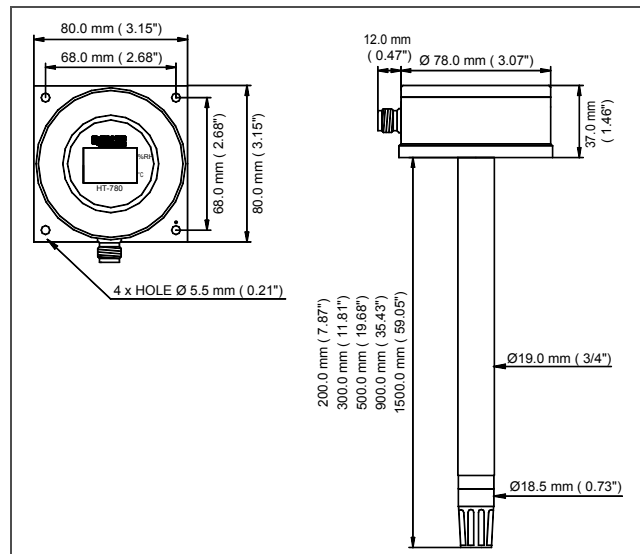
The HT-780 has an accuracy of ±2% RH from 5 to 95% RH.

The rugged design and durability make it the ideal choice for all industrial applications that require the monitoring and controlling of humidity and temperature, including many OEM applications.

The HT-780 meets CE requirements.

**Typical Applications**

- ▶ Climate rooms
- ▶ Incubators
- ▶ Bakery machines
- ▶ Greenhouses
- ▶ Warehouses
- ▶ HVAC installations
- ▶ Energy management



# Transmitter HT-780

## Humidity Transmitter

Range	0 to 100% RH
Working range	5 to 95% RH
Output	4 to 20 mA (2-wire)
Accuracy @ 25 °C	±2% RH (5 to 90% RH)
Temperature drift	0.03% RH per °C typical
Response time	10 s typical (90% of the change) without filter
Stability	±2% RH, 24 months typical, depending on environmental conditions
Supply influence	±0.01% RH per V typical

## Temperature Transmitter

Measuring range	-50 to +200°C
Output	4 to 20 mA (2-wire)
Accuracy	±0.2°C typical
Supply influence	±0.01°C per V typical

## General

Supply voltage	8 to 35 Vdc
Operating temperature - sensor tip	-40 to +150 °C
Operating temperature - electronics	-20 to +70 °C (display 0 to 50 °C)
Protection grade	Electronics IP65, sensor IP20 (IP50 with dust filter)

All specifications are subject to change without prior notice.

Ordering information	
Model	Description
HT-780-T-02	RH & Temp Transmitter, Length = 8" (200mm)
HT -780-T-04	RH & Temp Transmitter, Length = 20" (500mm)
HT-780-T-12	RH & Temp Transmitter, Length = 8" (200mm), with display
HT-780-T-14	RH & Temp Transmitter, Length = 20" (500mm), with display
	(Other lengths available upon request)
Part number	Accessories
A-000020	Sintered Stainless Steel Dust Filter .728" dia (18.5 mm)
A-000030	Connector female, screws for cable
A-000031	Connector female, with 6ft (2.0 m) cable
A-000100	¾" NPT Adjustable Fitting, Stainless Steel
A-000110	Aluminum Adj. Flange .75" ID x 3.15" OD (19 x 80mm)

HEAD OFFICE



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