



# Humidity / Temperature Transmitter

## TH-30 series

Built-in integrated electronics

☐ CE ☐ RoHS

4 ~ 20mA output

Available with uniquely ø6 mm slender probes

**Applications :** Process control systems, Greenhouses, HVAC, Environmental studies, Warehouse, Food processing, Shipping and Storage, Refrigeration, Weather...etc



Model No.

**TH-31**

Temperature Transmitter

**TH-32**

Humidity Transmitter

**TH-33**

Temp / Humidity Transmitter

### Specifications of TH-30 series

<b>Measurement Range</b>	0 ~ 100% RH (TH-32, TH-33) 0 ~ 100°C, -20 ~ +80°C, 0 ~ +50°C, -50 ~ +50°C available ( TH-31, TH-33)
<b>Accuracy (At 23°C )</b>	±3% RH, ±0.4°C ※Power supply = 12VDC)
<b>Long-Term Stability</b>	<2% RH per year (Typical)
<b>Response</b>	<20 sec. (90% at +23°C in moving air over 0.5 M/S)
<b>Sensors Element</b>	Humidity : Thin-film capacitor Temperature : RTD PT 100Ω, IEC 751, DIN43760
<b>Output</b>	Temperature : 4 ~ 20mA two wire Humidity : 4 ~ 20mA two wire
<b>Power Supply</b>	12 ~ 40VDC, >150mA
<b>Type of Probes</b>	A Type : ø 6 × L150mm SUS316 Stainless steel (SA1 type) B Type : ø 18 × L190mm High density Nylon with dust proof filter
<b>Ambient Temperature</b>	-20 ~ +85°C (- 4 ~ +185°F)
<b>Weight</b>	SA Type : Approx. 70g (without cable) DB Type : Approx. 45g (without cable)

※Specifications are subject to change without notice.

**Ordering Information** Please advise the specificatoin based on your individual needs.

Model No.	Function	Type of Probe	Length of Cable
TH-31	Temp. Transmitter	DB type, ø 18, L=190mm	1 (1M)
TH-32	Humidity Transmitter	SA1 type, ø6, L=150mm	3 (3M)
TH-33	Humi./ Temp. Transmitter	SA2 type, ø6, L=300mm	10 (10M)
-	-	SA3 type, ø6, L=500mm	Selectable Max.50M

[ Example ] TH-33-SA1-3 : Humidity / Temperature transmitter, SA type probe, L= 150mm, cable length : 3M