



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 DB

ø18 Temperature Transmitter

TH-32 DB

ø18 Humidity Transmitter

TH-33 DB

ø18 Temp / Humidity Transmitter

TH-31 SA

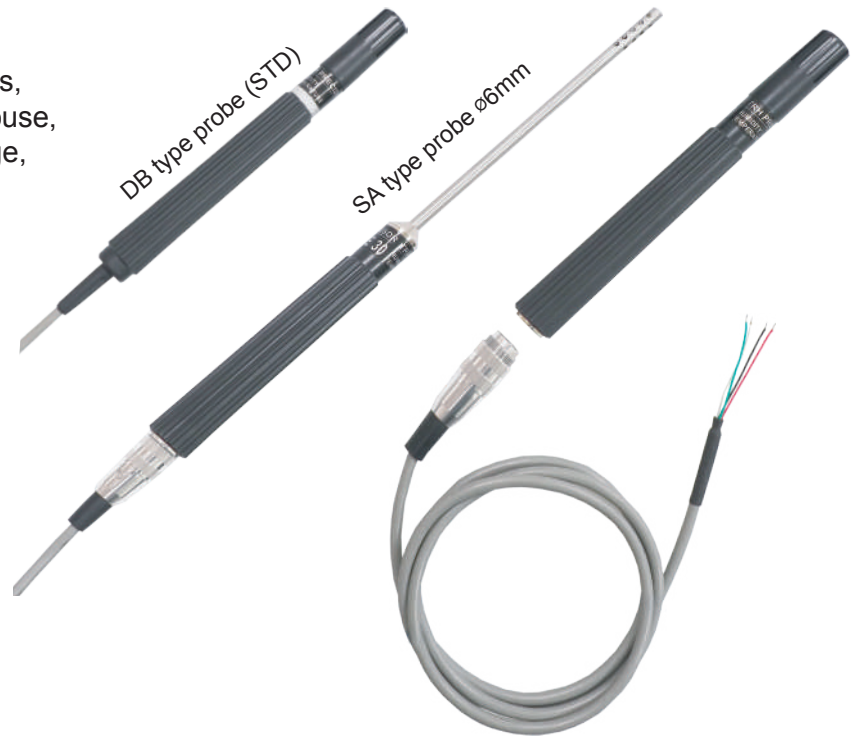
ø6 Temperature Transmitter

TH-32 SA

ø6 Humidity Transmitter

TH-33 SA

ø6 Temp / Humidity Transmitter



Specifications of TH-30 series

Measurement Range	0 ~ 100% RH (TH-32, TH-33) 0 ~ 100°C, -20 ~ +80°C, 0 ~ +50°C, -50 ~ +50°C available (TH-31, TH-33)
Accuracy (At 23°C)	±3% RH, ±0.4°C ※Power supply = 12VDC
Long-Term Stability	<2% RH per year (Typical)
Response	<20 sec. (90% at +23°C in moving air over 0.5 M/S)
Sensors Element	Humidity : Thin-film capacitor Temperature : RTD PT 100Ω, IEC 751, DIN43760
Output	Temperature : 4 ~ 20mA two wire Humidity : 4 ~ 20mA two wire
Power Supply	12 ~ 30VDC >150mA
Type of Probes	SA Type : ø6 mm SUS316 Stainless steel (Probe length can be customized) DB Type : ø18 x L190 mm High density Nylon with dust proof filter
Ambient Temperature	- 40 ~ + 60°C (- 40 ~ +140°F)
Weight	SA Type : Approx. 70g (L=150mm,without cable) DB Type : Approx. 45g (L=190mm,without cable)

*Specifications are subject to change without notice.

Option Accessories

TH-3133	33%RH Standard Solution
TH-3175	75%RH Standard Solution

Ordering Information

Please advise the specification based on your individual needs.

Model No.	Type of Probe	Optain Cable	Length of Cable
TH-31 Temp. Transmitter	DB type, Ø18, L=190mm	M (Standard Cable)	1(M)
TH-32 Humidity Transmitter	SA1 type, Ø 6, L=150mm	C (Connect Cable)	3(3M)
TH-33 Humi./ Temp. Transmitter	SA2 type, Ø 6, L=300mm	-	10(10M)
-	SA3 type, Ø 6, L=500mm	-	Selectable Max.50M

【 Example 】 TH33-SA1-3: Humidity / Temperature transmitter, SA type ø6mm probe, L= 150mm, cable length : 3M