



THS130/140

Temperature & Humidity Transmitter for Indoor / Duct type

Temp. & Humidity-THS130/140

www.eyc-tech.com



| Features |

- Excellent long-term stable ability
- Cost-effective and accurate measurement
- Outstanding long-term performance
- Voltage or current outputs

| Applications |

Monitoring for HVAC process / Air conditioning / Environmental ventilation control / Environmental monitoring for building / Factory / Hospital / Storage rooms / Monitoring for building automation environment

| Specification |

Input

Sensor type	MEMS sensor
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Measuring range

Temperature	0 ... 50°C
Humidity	0 ... 100%(Non-condensing)

Output

Output	4 ... 20 mA / 0 ... 10 V
Signal connection	3-wire
Warm-up time	<2 min ; Stable time 20 min
Response time	$t_{63}(15^{\circ}\text{C} \dots 45^{\circ}\text{C} / 33 \dots 75\%\text{RH}) \leq 10 \text{ sec}$
Sampling time	About 3 sec
Temperature influence	Max.-0.15%RH/°C(0°C ... 80°C)
Load resistance	Current<250 Ω ; Voltage $\geq$ 10 K Ω

Accuracy(at 25°C)

Temperature	$\pm 0.5^{\circ}\text{C}$
Humidity	$\pm 3\%\text{RH}(30 \dots 80\%\text{RH})$

Electrical

Power supply	DC 19 ... 35 V & AC 24 V $\pm$ 10%
Current consumption	DC : Max. 80 mA / AC : Max. 150 mA
Electrical connection	3-wire : 4P connector

Environment

Medium	Air
Operating Temp.	0 ... + 50°C
Operating Humid.	0 ... 100%RH(Non-condensing)
Storage Temp.	-20 ... +60°C

Installation

Installation	Indoor : Wall mount
	Duct : Flange

Protection

IP rating	IP54
Electrical protection	Reverse polarity Over-voltage Short circuit

Certification

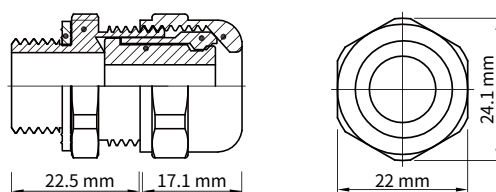
Certification	CE
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Material

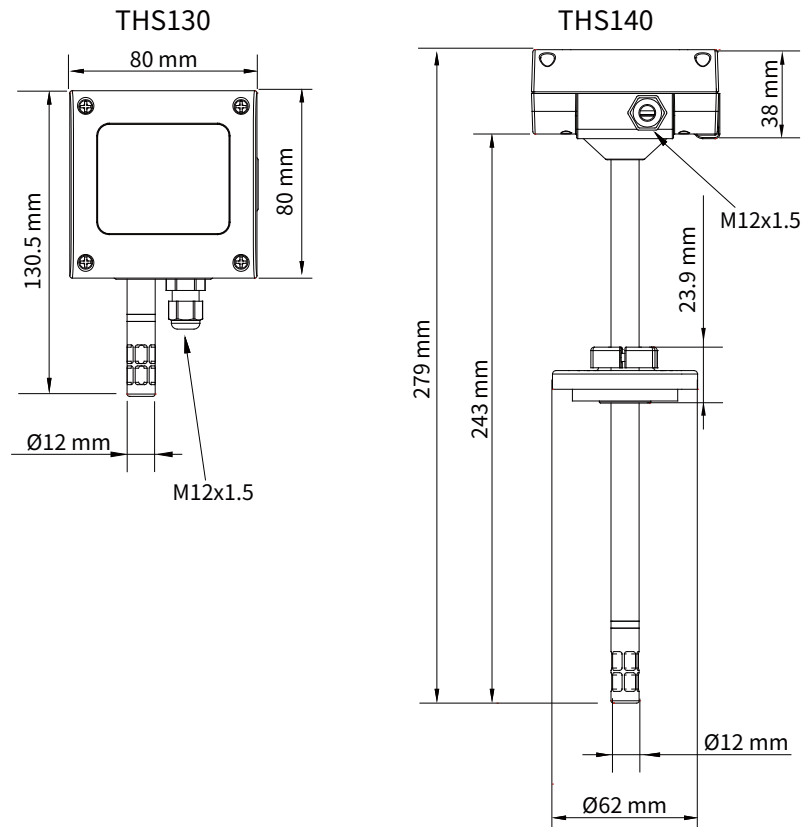
Housing	PC(PC-110)(UL94V-2)
Weight	THS130 : 113 g ; THS140 : 135 g

| Electrical Connector |

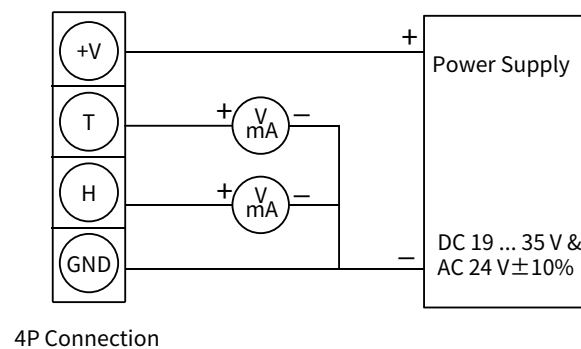
【N type(M16 cable gland)】 Analog



| Dimension |



| Diagram |



3-wire / 4 ... 20 mA / 0 ... 10 V

| Ordering Guide |

Product ordering number	Product Specifications
THS130-A33-30XX-N	Indoor type, 0 ... 50°C/0 ... 100%RH, 4 ... 20 mA(3-wire), DC 19 ... 35 V & AC 24 V $\pm$ 10%(3-wire)
THS130-A63-30XX-N	Indoor type, 0 ... 50°C/0 ... 100%RH, 0 ... 10 V(3-wire), DC 19 ... 35 V & AC 24 V $\pm$ 10%(3-wire)
THS140-A33-30XX-N	Duct type, 0 ... 50°C/0 ... 100%RH, 4 ... 20 mA(3-wire), DC 19 ... 35 V & AC 24 V $\pm$ 10%(3-wire)
THS140-A63-30XX-N	Duct type, 0 ... 50°C/0 ... 100%RH, 0 ... 10 V(3-wire), DC 19 ... 35 V & AC 24 V $\pm$ 10%(3-wire)

| Additional Option Test Report |

For more detailed information please contact us.

■ ILAC / TAF

YUDEN-TECH CO.,LTD. Calibration Laboratory - (ILAC / TAF) Test report.

(TAF accreditation : 3032, complying with ISO / IEC 17025) TAF has mutual recognition arrangement with ILAC MRA

Project	Measurand level or range
Hygrometer	Temperature : 0°C ... 69.5°C
	Humidity : 10% ... 95%

■ ISO 9001

Project	Measurand level or range
Temperature and Humidity	Temperature : 0°C ... 200°C
	Humidity : 0.1% ... 99.8%