

Taishio

Wall/Duct Type Temperature & Humidity Transmitter - TS130/140

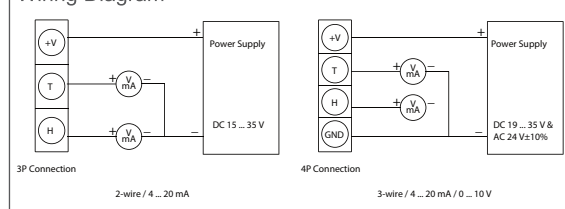
Features

- High-tech sensor component with high accuracy and long-term stability
- Economical choice, high C/P ratio
- Compact design, good look and easy to install

Applications

- Monitoring of HVAC process, airconditioning, environmental ventilation control, storeroom, crisper, agriculture, food industry
- Environmental monitoring for building, factory, clean room, laboratory

Wiring Diagram



SPECIFICATIONS

Input

Input
Measuring Range

Sensor type: MEMS Sensor
Temperature : 0~50°C / Humidity : 0~100%

Output

Output
Signal Connection

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

Accuracy(at 25°C)

Temperature
Humidity
Temperature Influence
Load resistance

±0.5°C
±3%RH(30~80%)
Max -0.15%RH / °C (0~80%)
current : < 250 Ω
voltage : ≥ 10KΩ
≤ 10S

Response time t63 (at 15~45°C / 33~75%RH)

Environment

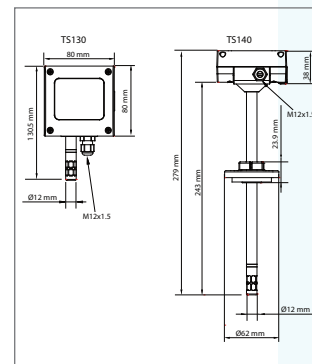
Media Measured
Media Temperature / Humidity
Storage Temperature
CE Certification

Air
0~50°C / 0~100%RH
-20~60°C
EN 61326-1:2013; Emissions CISPR11:2015 Group1 Class B
Immunity IEC 61000-4-2:2008, IEC 61000-4-3:2006/A1:2007/A2:2010, IEC 61000-4-8:2009

Electrical Regulation

Power supply
Consumption current
Electrical Connection
Installation
Protection degree
Electrical protection
Housing
Weight

DC 15~35V / DC 19~35V & AC 24V ±10%
DC 80mA / AC 150mA
2-wire : 3P connection; 3-wire : 4P connection
Indoor for wall type / duct-mounting
IP 54 (Sensor: IP 20)
Polarity protection, over-voltage, short circuit
PC fire-proof class (PC-110)
TS130 : 113 g / TS140 : 135 g



ORDERING GUIDE

TS	-					XX	-	
Installation	Function	Output	Power Supply	Measuring Range	0~100%RH	Option		
130 : Wall type	A: Temperature & humidity output	1: 4-20mA (2-wire) 3: 4-20mA (3-wire) 6: 0...10 V (3-wire)	1: DC15~35 V (2-wire) 3: DC 19~35 V & AC24V ±10 % (3-wire)	30: 0~50°C		N: none		