

TEMPERATURE, PRESSURE & HUMIDITY SENSOR (Three in One)



Combined Temperature, Pressure & Humidity Sensors

The SS-TPH Series is a combined temperature, humidity & pressure designed for meteorological and general outdoor applications. Operation from DC voltage and low power consumption makes it suitable for operation at remote locations. The linear output signals are consistent with the requirements of most data acquisition systems. For outdoor application SS-TPH-02 should be coupled with a radiation shield (SS-TH-RS).

Features

- High long-term stability
- Early return after saturation
- High Sensitivity
- Fast Response Time
- Highly efficient radiation shield
- High protection from salty and polluted air
- Design and performances addressed to meteorological applications
- Low power consumption

Applications

Weather Stations, Agriculture, Solar etc.


Models

	SS-TPH-01	SS-TPH-02
Ambient Temperature Sensor		
Measuring Range	-40 °C to +80 °C	-40 °C to +60 °C
Accuracy	±0.5 °C	±0.1 °C
Resolution	0.1 °C	0.1 °C
Relative Humidity		
Measuring Range	0 to 100%	0 to 100%
Accuracy	± 3% RH	± 1% RH
Resolution	0.1% RH	0.5% RH
Air Pressure		
Measuring Range	10 – 1100 hPa	500-1080hPa
Accuracy	± 0.5 hPa	±0.1hPa
Resolution	0.1 hPa	0.1 hPa
General Specifications		
Input Power	12 - 24V	12 - 24V
Output	4-20mA, RS485(MODBUS), RS232	4-20mA, 0-5V, 0-10V, RS485(MODBUS)
Power Consumption @ 12 V	< 20mA	
ESD Protection	± 25 KV	
Cable	2m Standard	
Protection	IP65	
Operating Temperature	-40°C to +80°C	
Housing	ABS+PC, flame resistant, toxicity and halogen free	

TEMPERATURE, PRESSURE & HUMIDITY SENSOR (Three in One)



Accessories

	SS-TH-RS	SS-TH-RS is a natural ventilated all weather radiation shield made of 10 nos. thermoplastic louvered plates. Complete with all accessories such as aluminium mounting bracket (boom) with suitable provision for fitting shield on the boom at desired heights and stainless-steel U bolt clamp.
	Calibration Certificate	Calibration certificate from India Meteorological Department or any other NABL accredited national laboratory
	SS-TH-C1	3m Cable
	SS-TH-C2	5m Cable