

Temperature Transmitter

Model No: SENSE-TM100

Data Sheet



Item	Information
Measured Parameter	Temperature
Product Platform	SENSE-TM100
Enclosure Type	WP - Weatherproof stainless-steel enclosure
Document Type	Data sheet
Document Revision	Rev. 1.0

OVERVIEW

The **SENSE-TM100** features a weatherproof stainless-steel probe housing and a compact, quick-disconnect DIN-style connector head, making it suitable for reliable long-term operation in demanding industrial process environments.

Features

- Single-parameter Temperature monitoring using a RTD sensing element
- 2-wire, loop-powered 4-20 mA analog output
- Wide measurement range: -20.0°C to +80.0°C
- High accuracy: $\pm 0.2\%$ FS
- Reverse polarity and incorrect wiring protection
- Rugged stainless-steel probe with waterproof, dustproof housing
- Standard threaded process connection for quick, secure installation

Applications

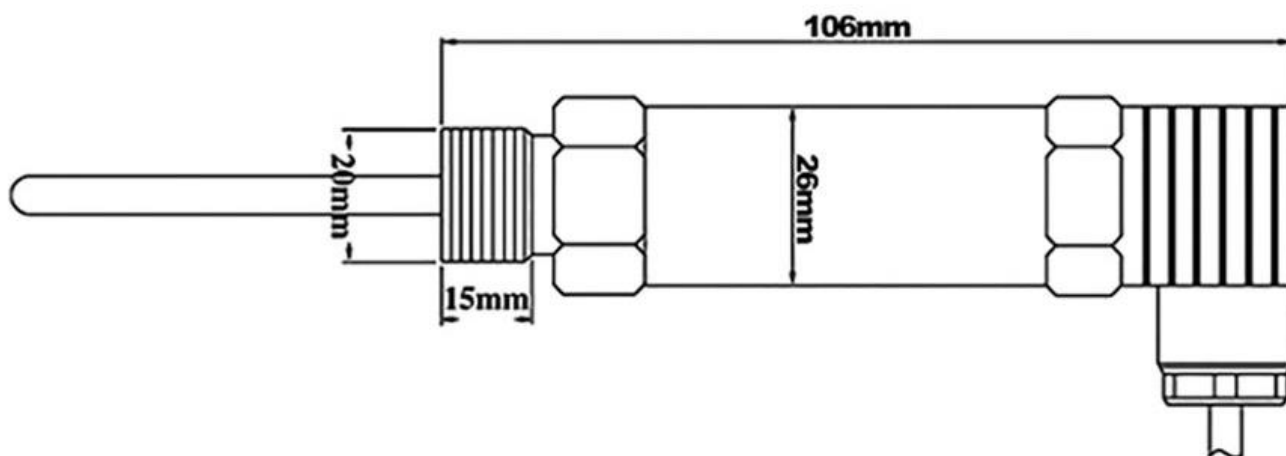
- Process temperature monitoring in tanks, pipelines and vessels
- Compressor rooms, HVAC rooms and utility areas
- Boiler rooms, AHU rooms and industrial plant rooms
- Cold storage plants, cold rooms and refrigeration utility areas
- Warehouses, storage areas and process rooms where temperature monitoring is required
- Food, dairy and beverage processing plants
- Pharmaceutical process and warehouse utilities
- Water and wastewater treatment plants
- Industrial process skids and control panels
- SCADA, BMS, PLC and IoT-based industrial monitoring systems

TECHNICAL SPECIFICATIONS

Parameter	Specification
Power Supply	12-24 VDC (2-wire loop powered)
Power Supply Range	12 VDC to 24 VDC
Power Consumption	Loop powered (no separate supply current draw)
Temperature Range	(V1) -20.0°C to +80.0°C (V2) -100.0°C to +100.0°C
Sensor Input	RTD
Temperature Accuracy	$\pm 0.2\%$ FS
Model No.	TZ- -CT (Two-Wire)
Output Type	4-20 mA (2-wire current loop)
Protection Class	IP65*

MECHANICAL DIMENSIONS

The following dimensional drawing provides the mechanical dimensions required for mounting and installation planning.



ORDERING INFORMATION

Model	Output	Description
SENSE-TM100	4-20 mA, 2-Wire	-20.0°C TO +80.0°C
SENSE-TM100-UL	4-20 mA, 2-Wire	-100.0°C TO +100.0°C

CONTACT INFORMATION

Company	Details
Brand	EVOTROX
Location	Ahmedabad, Gujarat, India
Mail Us	support@evotrox.com
Website	www.evotrox.com