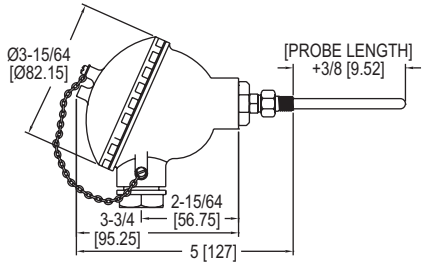
Dwyer

SERIES TTW

WEATHERPROOF IMMERSION TEMPERATURE TRANSMITTER

Pt100 RTD, PC Programmable Transmitter



The **Series TTW Weatherproof Immersion Temperature Transmitter** offers a field adjustable temperature transmitter pre-assembled with an RTD sensor and weatherproof enclosure.

FEATURES/BENEFITS

- Preset to 32 to 212°F (0 to 100°C) output range
- USB port for easy output scale adjustment in the field

APPLICATIONS

- Immersion temperature sensing in HVAC systems

MODEL CHART

Model	Probe Length
TTW-104	4″
TTW-106	6″
TTW-108	8″
TTW-112	12″
TTW-118	18″

THERMOWELLS - MACHINED❶

Model	Material	Length	Connection (Internal/External) (NPT)
TE-TNS-N044N-14	304 SS	4″	1/4″ / 1/2″
TE-TNS-N064N-14	304 SS	6″	1/4″ / 1/2″
TE-TNS-N094N-14	304 SS	9″	1/4″ / 1/2″
TE-TNS-N124N-14	304 SS	12″	1/4″ / 1/2″

SPECIFICATIONS

TEMPERATURE SENSOR
Accuracy: ±3°F (±1.7°C).
Temperature Limits: Operating: -40 to 302°F (-40 to 150°C).
Sensor Curves: Pt100 RTD (TE Series Curve D).

TEMPERATURE TRANSMITTER
Input Range: -328 to 986°F (-200 to 530°C).
Output: Two-wire 4-20 mA.
Output Impedance: 600 Ω @ 24 VDC.
Power Requirements: 12-35 VDC.
Accuracy: ±0.2% FS.
Temperature Limits: -40 to 185°F (-40 to 85°C).
Response Time: <100 ms.

ENCLOSURE
Temperature Limits: -40 to 212°F (-40 to 100°C).
Rating: NEMA 4X (IP65).
Material: Painted aluminum housing.

FREE software download: See page 132 (Series TBU-00)

Machined thermowell

❶Technical Specifications and Additional Thermowell Models: See page 145 (Series TE-TNS)