

TEMPERATURE MONITORING

Veris offers a wide range of temperature sensing products for commercial building applications. Control and maintain a comfortable environment with our thermistor, RTD, and transmitter devices. We offer an array of mounting options for installation flexibility, including duct, wall, ceiling, pendant, and immersion. All devices carry the Veris reputation for accuracy and reliability, as well as an aesthetically pleasing housing, making them ideal for monitoring temperature in any setting.

MODEL	DESCRIPTION	PAGE
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ΤΟ/ΤΟΑ	Outdoor Temperature Sensors	185
TWxP	Deluxe Wall Mount Temperature Sensors, Protocol Communication	187
TW/TE/TEA	Wall Mount Temperature Sensors	189
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TEMPERATURE SENSOR SELECTION GUIDE

	WALL MOUNT	DUCT MOUNT	CEILING MOUNT	OUTDOOR MOUNT	FLUSH MOUNT	REMOTE	STRAP- ON	IMMERSION	VAV
Analog Transmitter Output	TEA page 189	TDDA page 183							
Resistive Output	TE page 189	TD/TF/TG/TK page 183	TC/TS page 193	TO page 185	TP page 191	TRA page 197	TB page 197	TI page 195	TJ page 199
LCD Display	TW page 189								
Averaging Sensor		TA page 201							
Protocol Communication	TWxP page 187								





TJ VAV Sensor

Install in minutes with plenum rated 2-wire installation (optional quick disconnect).

TC Ceiling Mount Sensor

Recessed press-fit sensor virtually disappears.

Immersion Sensors

TIM

Corrosion-resistant stainless steel probe, with choice of service entry body, indoor junction box, or threaded enclosure.

τw

TW Wall Mount Sensors

Easy installation, with local indication of temperature.

Interested in learning more about these innovative products? Contact a Temperature Monitoring Specialist today: 800.354.8556 or at sales@veris.com





T SERIES

Sensor Housed in Probe, Protects Against Corrosion



Cost effective

Durable

probe design

Corrosion resistant stainless steel

Cost-effective, high accuracy thermistors or RTDs available with or without a junction box

No calibration

No calibration required

APPLICATIONS

- Duct systems
- Industrial

Duct mount temperature sensors from Veris are pre-calibrated and housed in sturdy stainless steel probes. The devices are easy to install, durable, and highly accurate.

SPECIFICATIONS

Wiring	22 AWG; 2-wire: RTD/Thermistor, 4 to 20 mA; 3-wire: Linitemp	Offset over Temp
TEMPERATURE TRANSMI	TTER OPTION	
Input Power	4 to 20 mA models: Loop powered Class 2, 12 to 30 Vdc only, 30 mA max; 0-5/0-10 V models: Class 2, 12 to 30 Vdc/24 Vac,	RESISTIVE OPT Operating Temp
	50/60 Hz, 15 mA max	WARRANTY
Temp. Output	2-wire, loop powered 4 to 20 mA 3-wire, 0-5V/0-10Vdc	Limited Warranty
Sensor Type	Solid-state, integrated circuit	AGENCY APPRO
Transmitter Accuracy	±0.5 °C (±.9 °F) typical*	
Ranges	Selectable 0 to 50 °C (32 to 122 °F) or -40 to 50 °C (-40 to 122 °F)	*Room temperature **The CE mark indic
LINITEMP OPTION		Conformity for addi
Input Power	5 to 30 Vdc	Note: See page 202
Output	10 mV/°C	
Operating Temp	-25 to 105 °C (-13 to 221 °F)	
Calibration Offset	1.5 °C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)**	

Offset over Temp	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range
RESISTIVE OPTION	
Operating Temp	-25 to 105 °C (-13 to 221 °F)
WARRANTY	
Limited Warranty	5 years
AGENCY APPROVALS	

*Room temperature offset documented on each unit.

**The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

Note: See page 202 for thermistor table.





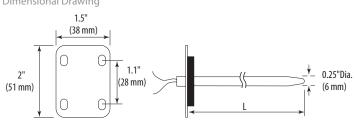
Dimensional Drawing

2.3"

(59 mm)

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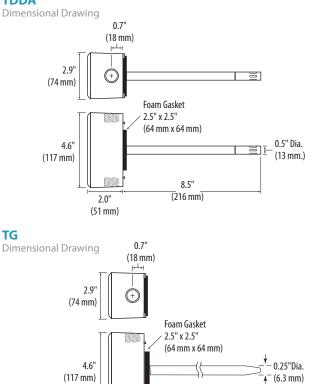


TDDA

0.25"Dia.

(6 mm)

L



2.0" (51 mm) Т

4.3"

(109 mm)

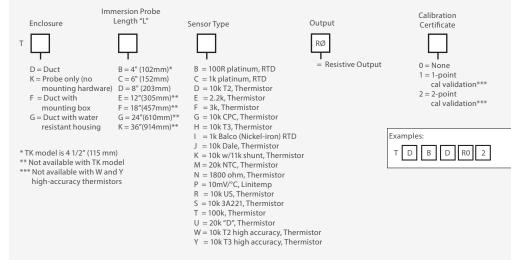
TF

ТК

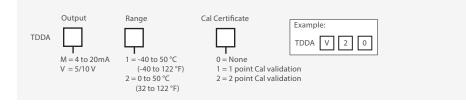
Dimensional Drawing 0.25" (6 mm) 0.25" L

ORDERING INFORMATION

RTD/Thermistor Models









TO SERIES

Sleek Design, Reduces Solar Heating



TO Series outdoor temperature sensors feature a sleek, weather resistant design, and provide easy installation. The durable probe is encased in a radiation shield to reduce the effects of solar heating. Choose from a variety of RTD, thermistor, or transmitter outputs to suit any application.

SPECIFICATIONS

Wiring	22 AWG; 2-wire: RTD/Thermistor, 4 to 20 mA; 3-wire: voltage output models		
Junction Box	Weather resistant		
TEMPERATURE TRANSMIT	TER OPTION		
Input Power	4 to 20 mA version - Loop powered Class 2, 12 to 30 Vdc only, 30 mA max; 0-5/0-10 V versions - 12-30 Vdc/24 Vac, 50/60 Hz, 15 mA max		
Temp. Output	2-wire, loop powered Class 2, 4 to 20mA; 3-wire, 0-5 V/0-10 Vdc		
Sensor Type	Solid-state, integrated circuit (Transmitter)		
Accuracy	±0.5°C (±.9°F) typical		
Ranges	0 to 50 °C (32 to 122 °F), -40 to 50 °C (-40 to 122 °F)*		
LINITEMP OPTION			
Input Power	5 to 30 Vdc		
Output	10mV/°C		
Operating Temp	-25 to 105 °C (-13 to 221 °F)		
Calibration Offset	1.5 °C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)		
Offset over Temp.	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range		
RESISTIVE OPTION			
Operating Temp	-25 to 105 °C (-13 to 221 °F)		

Sleek design

Reduces solar heating...reliable and accurate

Flexibile

Available with transmitter, linitemp, RTDs, or thermistors

APPLICATIONS

Outdoor reference

WARRANTY

Limited Warranty	
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AGENCY APPROVALS



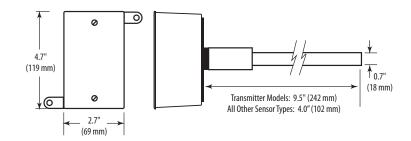
*The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

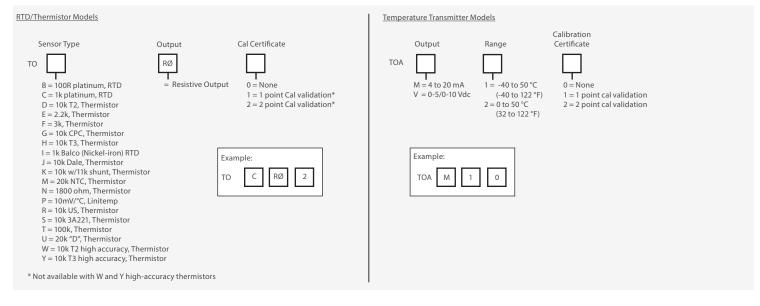
5 years

Note: See page 202 for thermistor table.



DIMENSIONAL DRAWING







TW PROTOCOL SERIES

Modbus and BACnet Protocol Communication



BACnet and Modbus

Embedded BACnet and Modbus communication protocols... provides ease of integration

Network configuration

Eliminates the costs of home run wiring and analog inputs required by traditional sensors

Multiple baud rates

Configurable to multiple baud rates...ensures network compatibility

Setpoint and override options

Setpoint and override activation represented in protocol... eliminates costly wiring and inputs

The TWLP Series features embedded BACnet and Modbus communication protocols to communicate temperature readings to a building automation system controller. The setpoint slider and pushbutton override options offer additional local input.

APPLICATIONS

 Temperature control in office buildings and schools with systems utilizing BACnet or Modbus protocol

SPECIFICATIONS

Input Voltage	Class 2; 12 to 30 Vdc, 24VAC, 50/60Hz, 100 mA max.
Operating Temp	0 to 50 °C (32 to 122 °F)
Housing Material	High impact ABS plastic , UL 94 V0
Protocol	BACnet or Modbus (selectable)
Connection	2-wire RS-485
Data Rate	9600, 19200, 38400, 57600 (Modbus), bps (selectable); 9600, 19200, 38400, 76800 (BACnet), bps (selectable)
Parity	None/Odd/Even (selectable-Modbus); None (BACnet)
Address Range	1 to 127
Setpoint Slider Resolution (Optional)	1% full scale
Override Button (Optional)	Remotely readable and resettable
Sensor Type	Solid-state, integrated circuit
Accuracy	±0.5 °C (±.9 °F) typical
Resolution	0.1 °C (0.2 °F)
Range	10 to 35 °C (50 to 95 °F)
WARRANTY	
Limited Warranty	5 years
AGENCY APPROVALS	

AGENCY APPROVALS

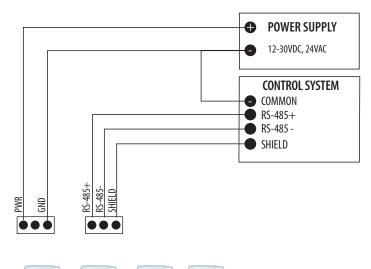


EMC Conformance: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC. EMC Special Note: Connect this product to a DC distribution network or an AC/DC power adaptor with proper surge protection (EN 61000-6-1:2007 specification requirements).

*The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

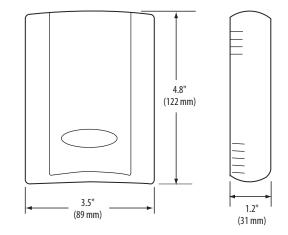
Note: See page 202 for thermistor table.

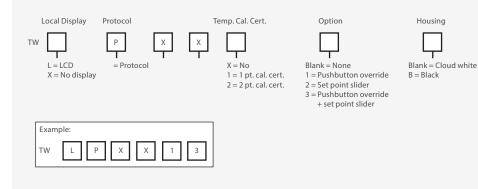
WIRING DIAGRAM





DIMENSIONAL DRAWING







TW & TE SERIES

Wall Mount Temperature Sensors





These wall mounted temperature sensors feature a discreet appearance combined with high accuracy and reliability. Aesthetically pleasing in any interior environment. Flexible mounting options include flush and single-gang for ease of installation.

SPECIFICATIONS

TE Series

Wiring	22 AWG; 2-wire: RTD Thermistor, 4 to 20 mA; 3-wire: voltage output models
Housing	Black or white ABS plastic
Operating Temp	-25 to 105 °C (-13 to 221 °F)
LINITEMP OPTION	
Input Power	Class 2; 5 to 30 Vdc
Output	10 mV/°C
Operating Temp	-25 to 105 °C (-13 to 221 °F)
Calibration Offset	1.5 °C (2.7 °F) typ.; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)*
Offset over Temp	1.8 °C (3.24 °F) typical; 3.0°C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range
WARRANTY	
Limited Warranty	5 years

SPECIFICATIONS

TW/TEA Series

INPUT POWER

TW Model

4 to 20mA mode: loop powered Class 2, 12 to 30 Vdc only, 30 mA max.; 0-5/0-10 V mode: Class 2, 12 to 30 Vdc/24 Vac, 50/60 Hz, 15 mA max.

Wall mount

Low-profile housing

APPLICATIONS

- Controlling HVAC systems for improved comfort & energy savings
- Museums, schools, printing shops, hospitals, data centers, & other locations that require temperature control

Quick installation

Reduced downtime for deployment

 Facilitating compliance with ASHRAE standards for environmental control and indoor air quality

TEA Model	4 to 20 mA mode; loop powered Class 2; 24 Vdc only; 0-10 V, 3-wire, observe polarity; 12-30 Vdc; 0-5 V, 3-wire, observe polarity; 24 Vac, 50/60 Hz, 12-30 Vdc
RANGES	
TW Model	10 to 35 °C (50 to 95 °F)/0 to 50 °C (32 to 122 °F) jumper-selectable
TEA Model	10 to 35 °C (50 to 95 °F)
Analog Output TEA 4 to 20 mA model	2-wire, not polarity sensitive (clipped & capped)
Temp Output TW Model	2-wire, loop powered 4 to 20 mA or 3-wire, 0-5 V/0 - 10 Vdc
Transmitter Type	Solid-state, integrated circuit
Transmitter Accuracy	±0.5 °C (±.9 °F) typical
WARRANTY	
Limited Warranty	5 years

AGENCY APPROVALS

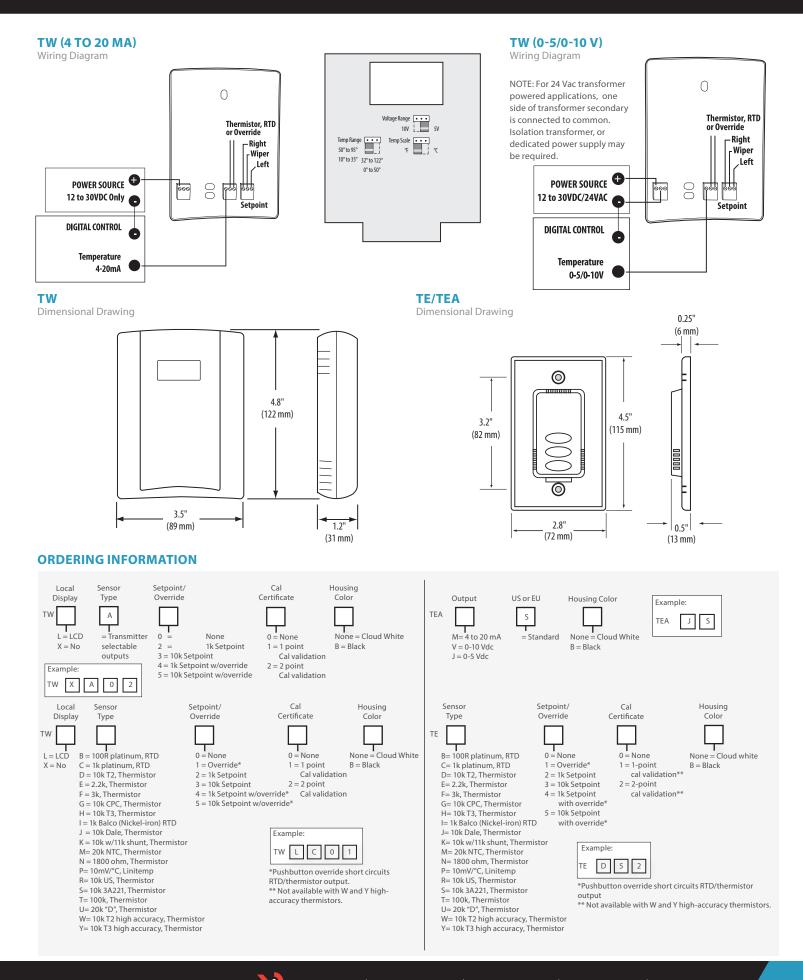


RTD/Thermistors in wall packages are not compensated for internal heating of product. For RTD and thermistor accuracies and ranges, see the thermistor table on page 202.

For RTD and thermistor accuracies and ranges, see the thermistor table on page 202. *Room temperature offset documented on each unit.

**The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.





TP SERIES

Durable Device for Temperature Monitoring

Moisture resistant

Potted sensor element

Durable Stainless steel construction

Easy installation

Mounts to standard duplex wall mount box

Flexibile

Available with linitemp, RTD, or thermistors...application flexibility

Simple maintenance

Easy to clean



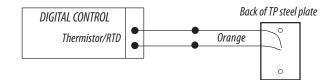
TP Series flush mounted temperature sensors are designed to monitor the temperature of the air in areas where sensor durability and security are needed. They are ideal for spaces where moisture and water vapor are concerns. The back of the TP is insulated to reduce interior wall temperature influence. The TP is for indoor use only, and it is warranted for a period of five years.

SPECIFICATIONS

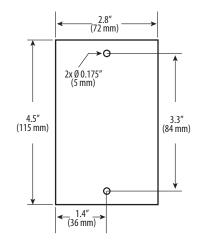
Wiring	22 AWG; 2-wire: RTD/Thermistor; 3-wire: Linitemp
Housing	Brushed 430 stainless steel
Operating Temperature	-25 to 105 °C (-13 to 221 °F)*
WARRANTY	
Limited Warranty	5 years
AGENCY APPROVALS	
CE	

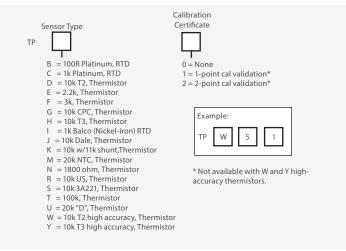
* For RTD and thermistor accuracies and ranges, see the thermistor table on page 202. **The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

WIRING DIAGRAM



DIMENSIONAL DRAWING







TC & TS SERIES

Low Profile Housing with a Variety of RTD and Thermisor Options



Ceiling mount

Ceiling mount probe for more accurate readings...ideal for open office environments

APPLICATIONS

- Hospitals and operating rooms, pharmaceutical labs
- Clean rooms

Recessed sensor

Recessed press-fit sensor virtually "disappears"...great for museums and galleries

- Food processing plants
- Environmental testing facilities and other institutional applications

TC and TS sensors are ceiling-mounted in an unobtrusive housing. The easy-to-install units are ideal for office environments, as well as museums, galleries, or any other open indoor setting. These sensors are highly accurate, reliable, and come with a five-year warranty. Choose from a variety of RTD or thermistor sensor types to suit any need.

SPECIFICATIONS

TC & TS Series

Wiring	22 AWG; 2-wire: RTD/Thermistor; 3-wire: Linitemp
Housing	White ABS plastic (black available for TS only)
Operating Temp	-25 to 105 °C (-13 to 221 °F)*
LINITEMP OPTION	
Input Power	Class 2; 5 to 30 Vdc
Output	10mV/°C
Operating Temp	-25 to 105 °C (-13 to 221 °F)*
Calibration Offset	1.5° C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)**
Offset over Temp	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range
WARRANTY	
Limited Warranty	5 years

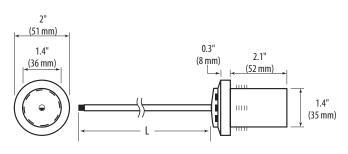
* For RTD and thermistor accuracies and ranges, see the thermistor table on page 202.

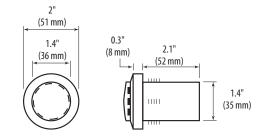
**Room temperature offset documented on each unit.

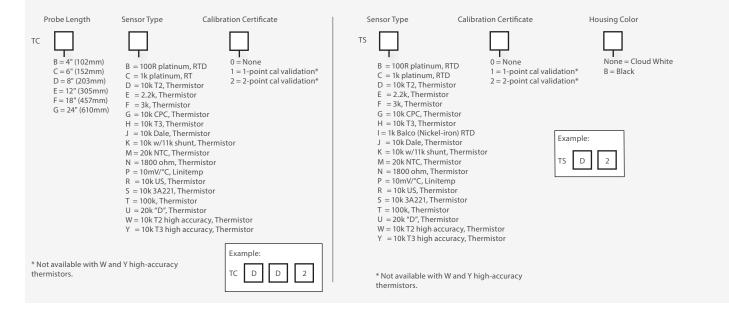




TS **Dimensional Drawing**









TI SERIES

Corrosion Resistant Stainless Steel Probe



Cost effective

Cost-effective, high-accuracy thermistors/RTDs

Durable

Corrosion resistant stainless steel probe design

Variety of enclosures

Duct mount, service entry body, threaded, and water resistant to fit your application

APPLICATIONS

- Tanks
- Pipes

These immersion probe type temperature sensors are both highly accurate and cost effective. Installation could not be easier. The sensor is encased in a corrosion-resistant stainless steel probe for durability, with a choice of service entry body, indoor junction box, or threaded enclosures. A variety of RTD or thermistor sensor options and probe lengths are available for maximum application versatility.

SPECIFICATIONS

Wiring	22 AWG; 2-wire: RTD/Thermistor; 3-wire: Linitemp
Probe	Stainless steel
Test Pressure	200 psi
Operating Temp	-25 to 105 °C (-13 to 221 °F)
LINITEMP OPTION	
Input Power	Class 2; 5 to 30 Vdc
Output	10mV/°C
Operating Temp	-25 to 105 °C (-13 to 221 °F)
Calibration Offset	1.5 °C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77° F)*
Offset Over Temp.	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range
WARRANTY	
Limited Warranty	5 years

*Room temperature offset documented on each unit.

Note: See page 202 for thermistor table.



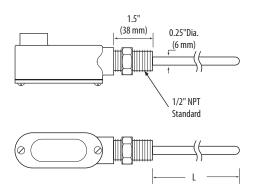
1/2" NPT threads standard

Easy servicing

Thermowells available

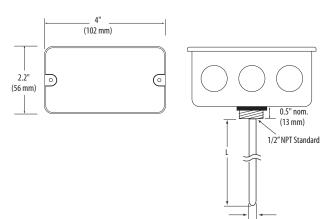
Chillers

TIG Dimensional Drawing



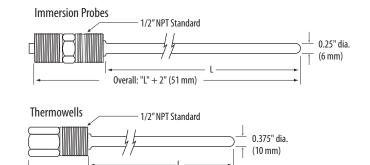
TID

Dimensional Drawing



TIH

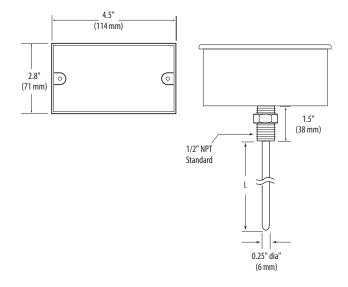
Dimensional Drawing



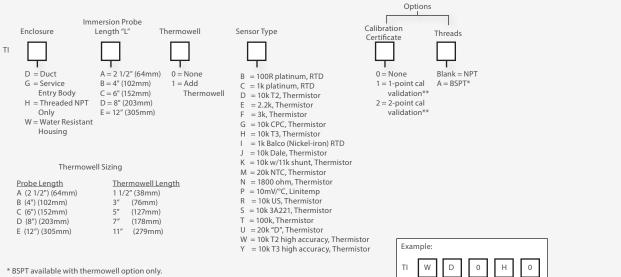
-Overall: "L" + 1.75" (45mm)

TIW

Dimensional Drawing



ORDERING INFORMATION



0.25" dia' (6 mm)

** Not available with W and Y high-accuracy thermistors.

TB & TRA SERIES

High Accuracy Specialty Sensors



The TB strap-on sensor uses a clamp to secure the unit to a pipe and a copper sensing plate for fast temperature response. The TB is perfect for secondary measurement of water temperature typical in retrofit applications. It includes a steel mounting box for wire termination and easy conduit connection.

The TRA Series stainless steel remote probe is designed for high accuracy in remote temperature sensing applications. The TRA can be used in numerous refrigeration applications or can be mounted on pipes for chilled or heated water temperature sensing. It is easily installed and includes a durable stainless steel sensing probe and a two-wire twisted pair cable with strain relief. Multiple cable lengths are available for added flexibility.

SPECIFICATIONS

TB & TRA Series

Wiring	22 AWG; 2-wire: RTD/Thermistor
LINITEMP OPTION	
Input Power	Class 2; 5 to 30 Vdc
Output	10mV/°C
Calibration Offset	1.5 °C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)*
Offset Over Temperature	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range
Operating Temperature TB TRA	-25 to 105 °C (-13 to 221 °F) Probe: -25 to 105 °C (-13 to 221 °F), Wiring: -20 to 80 °C (-4 to 176 °F)
WARRANTY	
Limited Warranty	5 years

*Room temperature offset documented on each unit.

Note: See page 202 for thermistor table.

Secondary measurement

Secondary measurement of water temperature...ideal for retrofit applications (TB)

Easy installation

Pipe clamps allow for easy installation on pipes up to 12" in diameter (TB)

Long sensor life

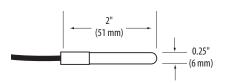
Durable stainless steel sensing probe (TRA)

Multiple cable lengths

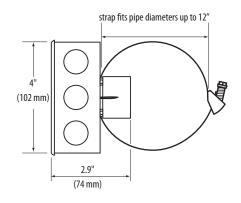
Multiple cable lengths for application flexibility (TRA)



TRA Dimensional Drawing

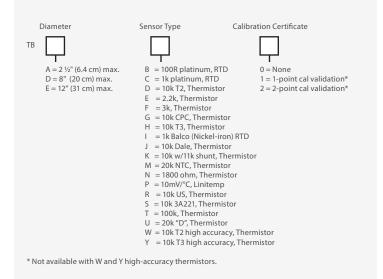


TB Dimensional Drawing

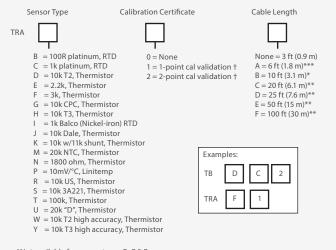


ORDERING INFORMATION

Strap-on Bracket



Remote Probe



0

*Not available for sensor types B, C & P. **Not available for sensor types B, C, E, F, N & P. ***Not available for sensor types B & P.

+ Not available with W and Y high-accuracy thermistors.

TJ SERIES

VAV Discharge Air Sensor for Reheat Applications



The TJ Series temperature sensors are highly accurate and cost effective, with trouble-free installation. The sensor is encased in a sturdy corrosion-resistant stainless steel probe. A variety of RTD/thermistor sensor and probe length options are available for maximum versatility in applications.

SPECIFICATIONS

Wiring	22 AWG; 2-wire: RTD/Thermistor
Probe	Stainless steel
Operating Temp	-25 to 105 °C (-13 to 221 °F)
LINITEMP OPTION	
Input Power	Class 2; 5 to 30 Vdc
Output	10mV/°C
Operating Temp	-25 to 105 °C (-13 to 221 °F)
Calibration Offset	1.5 °C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)*
Offset over Temp	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range
WARRANTY	
Limited Warranty	5 years

Increased cable length affects the readings of lower resistance RTDs (100R platinum, RTD). * Room temperature offset documented on each unit.

Note: See page 202 for thermistor table.

Easy installation

Stainless steel duct probe with mounting flange

VAV systems

Installation-ready for VAV systems and plenum areas...saves money on job commissioning and warranty service

Application flexibility

4" or 8" (102 mm or 204 mm) duct probes

APPLICATIONS

- VAV reheat boxes
- Dual duct boxes
- Fan coils
- Prove that hot water valve or electric heat is functioning properly

Two wires

2-wire installation (optional quick disconnect)...installs in minutes

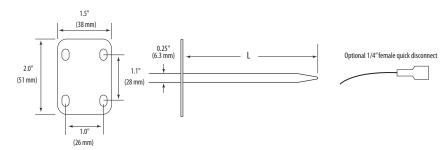
Plenum rated

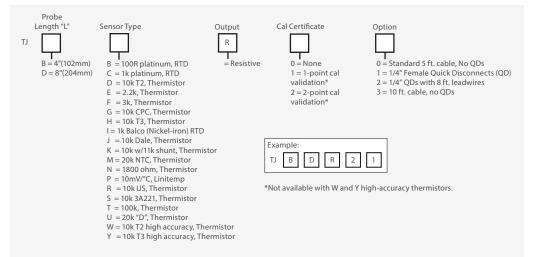
Plenum rated cable standard

- Check individual reheating stages
- Check for hot water valve leaks
- Determine if damper actuators are functioning on dual duct boxes



DIMENSIONAL DRAWING







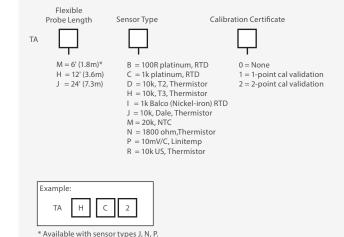
TA SERIES

High Accuracy Averaging Sensors

APPLICATIONS

- Heat exachangers
- Chillers

ORDERING INFORMATION





The TA Series is a flexible TA sensor which averages the temperature read across the entire length of the copper tubing, making it ideal for duct temperature measurements.

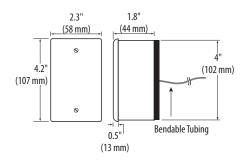
TA Series sensors average the measured temperature across the duct in 6', 12', or 24' (1.8 m, 3.6 m, or 7.3 m) lengths for the flexible probe and 12", 18", 24", 30", 36", or 48" (0.3 m, 0.5 m, 0.6 m, 0.8 m, 0.9 m, or 1.2 m) for the rigid probe. This allows you to cover all your averaging applications with one line.

SPECIFICATIONS

Wiring	22 AWG; 2-wire: RTD/Thermistor
Operating Temp	-25 to 105 °C (-13 to 221 °F)*
LINITEMP OPTION	
Input Power	Class 2; 5 to 30 Vdc
Output	10mV/°C
Operating Temp	-25 to 105 °C (-13 to 221 °F)
Calibration Error	1.5 °C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)*
Error over Temp	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range
WARRANTY	
Limited Warranty	5 years

* Room temperature offset documented on each unit.

DIMENSIONAL DRAWING





THERMISTOR TABLE

Class	Pt	RTD	Balco RTD	THERMISTOR					
Туре	100 Ohm	1000 Ohm	1000 Ohm	10k Type 2	10k Type 3	10k Dale	10k "G" US	20k	
Accuracy	±0.3°C	±0.3°C	±1%@70°C	±1.0°C	±0.2°C	±0.2°C	±0.2°C	Consult	
	0.00385 curve	0.00385 curve		-50/150°C	0/70°C	-20/70°C	0/70°C	Factory	
Temp. Response*	PTC	PTC	PTC	NTC	NTC	NTC	NTC	NTC	

°C	°F	100 Ohm	1000 Ohm	1000 Ohm				OR VALUES (Oh	
-		100 Ohm	1000 Ohm	1000 Ohm	10k Type 2	10k Type 3	10k Dale	10k "G" US	20k NTC
-50	-58	80.306	803.06	740.46	692,700	454,910	672,300	441,200	1,267,600
-40	-40	84.271	842.71	773.99	344,700	245,089	337,200	239,700	643,800
-30	-22	88.222	882.22	806.02	180,100	137,307	177,200	135,300	342,000
-20	-4	92.160	921.60	841.00	98,320	79,729	97,130	78,910	189,080
-10	14	96.086	960.86	877.46	55,790	47,843	55,340	47,540	108,380
0	32	100.000	1,000.00	913.66	32,770	29,588	32,660	29,490	64,160
10	50	103.903	1,039.03	952.25	19,930	18,813	19,900	18,780	39,440
20	68	107.794	1,077.94	991.82	12,500	12,272	12,490	12,260	24,920
25	77	109.735	1,097.35	1,013.50	10,000	10,000	10,000	10,000	20,000
30	86	111.673	1,116.73	1,035.18	8,055	8,195	8,056	8,194	16,144
40	104	115.541	1,155.41	1,077.68	5,323	5,593	5,326	5,592	10,696
50	122	119.397	1,193.97	1,120.52	3,599	3,894	3,602	3,893	7,234
60	140	123.242	1,232.42	1,166.13	2,486	2,763	2,489	2,760	4,992
70	158	127.075	1,270.75	1,210.75	1,753	1,994	1,753	1,990	3,512
80	176	130.897	1,308.97	1,254.55	1,258	1,462	1,258	1,458	2,516
90	194	134.707	1,347.07	1,301.17	919	1,088	917	1,084	1,833
100	212	138.506	1,385.06	1,348.38	682	821	679	816.8	1,356
110	230	142.293	1,422.93	1,397.13	513	628	511	623.6	1,016
120	248	146.068	1,460.68	1,447.44	392	486	389	481.8	770
130	266	149.832	1,498.32	1,496.28	303	380	301	376.4	591
	isor des	В	С	I	D	Н	J	R	М

To compute Linitemp Temperature mV reading/10 - 273.15 = Temperature in °C

