TASSERON
SENSORS & CONTROLS

DATASHEET

Q-IMMERSION FLANGE

Immersion Temperature Sensor

FEATURES

- Durable injection-molded plastic mounting flange
- AISI 316 stainless steel temperature probe
- Complete with 1⁄2" NPT brass/copper or stainless steel immersion well or brass adapter
- Includes conveniently packaged syringe of thermal paste
- Patent Pending Quick Connect System eliminates wire nuts
- NTC thermistors and RTD elements available
- Compatible with any Control System
- CE & RoHS compliant
- 5 Year Limited Warranty
- Made in the USA

GENERAL INFORMATION

High quality Immersion Temperature Sensor with injection-molded plastic flange and stainless steel AISI 316 probe for both commercial and industrial applications.

Available measuring elements interface with all major control manufacturers. Accurate thermistors and RTD's ensure low drift and are double encapsulated to guarantee the highest reliability.

The sensor comes with a 1⁄2" NPT brass/copper or stainless steel immersion well for corrosive applications. The patent pending Quick Connect System makes installation easy and reduces installation costs.

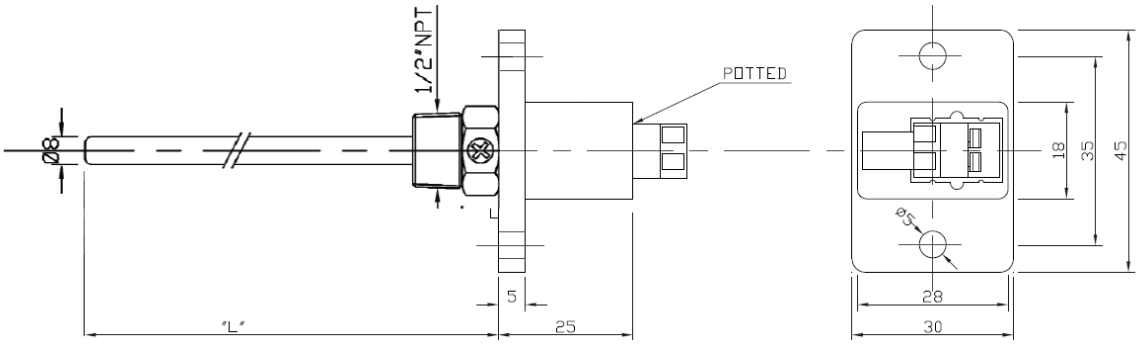
SPECIFICATIONS

Enclosure:	Injection-molded 30% glass-filled nylon flange with two integrated #8 mounting holes
Mounting:	1⁄2" NPT brass/copper immersion well 1/2" NPT stainless steel immersion well 1/2" NPT brass adapter (Machined high pressure stainless steel wells on request)
Probe Length:	4"
Probe Material:	6mm (± 1/4") AISI 316 stainless steel
Connection:	2-pole AWG 22-16 / 0.35 - 1.5mm^2 spring-loaded, Patent Pending Quick Connect System
Sensor Element:	Interchangeable NTC thermistor, 2-wire RTD Pt1000, 2-wire RTD Ni1000-891, 2-wire

SPECIFICATIONS CONT.

Sensor Value:	NTC 10KOhm type 2 @ 25°C / 77°F NTC 10KOhm type 3 @ 25°C / 77°F NTC 20KOhm @ 25°C / 77°F NTC 3KOhm @ 25°C / 77°F RTD Pt1000 1000Ohm @ 0°C / 32°F RTD Ni1000-891 891Ohm @ 0C / 32F (Other elements on request)
Accuracy:	NTC thermistor 0...70°C ± 0.2°C / 32...158°F ± 0.36°F Pt1000 Class B IEC751, ± 0.3°C / ± 0.5°F @ 0°C / 32°F Ni1000 DIN 43760, ± 0.5°C / ± 0.9°F @ 0°C / 32°F
Range:	-40...125°C / -40...257°F
Approval:	CE & RoHS compliant
Warranty:	5 year limited warranty
Accessories:	Machined stainless steel immersion wells IP54 weather proof grommet 10 piece pack of thermal paste 1/2” NPT brass adapter

DIMENSIONS (in mm)



ORDERING INFORMATION

Part #	**10K type 2**
THTIFA4B	Q-Immersion Flange 10K type 2, 4” Probe, with brass well & paste, ip40
THTIFA4S	Q-Immersion Flange 10K type 2, 4” Probe, SS well & paste, ip40
THTIFA4A	Q-Immersion Flange 10K type 2, 4” w/ 1/2” NPT Brass Adapter, ip40

Part #	**10K type 3**
THTIFB4B	Q-Immersion Flange 10K type 3, 4” Probe, with brass well & paste, ip40
THTIFB4S	Q-Immersion Flange 10K type 3, 4” Probe, SS well & paste, ip40
THTIFB4A	Q-Immersion Flange 10K type 3, 4” w/ 1/2” NPT Brass Adapter, ip40

ORDERING INFORMATION CONT.

Part #	**20K**
THTIFC4B	Q-Immersion Flange 20K, 4” Probe, with brass well & paste, ip40
THTIFC4S	Q-Immersion Flange 20K, 4” Probe, SS well & paste, ip40
THTIFC4A	Q-Immersion Flange 20K, 4” w/ 1/2” NPT Brass Adapter, ip40

Part #	**3K**
THTIFD4B	Q-Immersion Flange 3K, 4” Probe, with brass well & paste, ip40
THTIFD4S	Q-Immersion Flange 3K, 4” Probe, SS well & paste, ip40
THTIFD4A	Q-Immersion Flange 3K, 4” w/ 1/2” NPT Brass Adapter, ip40

Part #	**Pt1000/B**
THTIFE4B	Q-Immersion Flange Pt1000, 4” Probe, with brass well & paste, ip40
THTIFE4S	Q-Immersion Flange Pt1000, 4” Probe, SS well & paste, ip40
THTIFE4A	Q-Immersion Flange Pt1000, 4” w/ 1/2” NPT Brass Adapter, ip40

Part #	**Ni1000**
THTIFF4B	Q-Immersion Flange Ni1000, 4” Probe, with brass well & paste, ip40
THTIFF4S	Q-Immersion Flange Ni1000, 4” Probe, SS well & paste, ip40
THTIFF4A	Q-Immersion Flange Ni1000, 4” w/ 1/2” NPT Brass Adapter, ip40

Tasseron Sensors Inc.
140 Choate Circle
Montoursville, PA 17754
Tel: +1 (570) 601-1971
Fax : +1 (570) 601-1972
Email: sales@tasseronusa.com