

Molten Metal Ceramic Sheath Thermocouple



NEP-TX Series

\$875

All Models

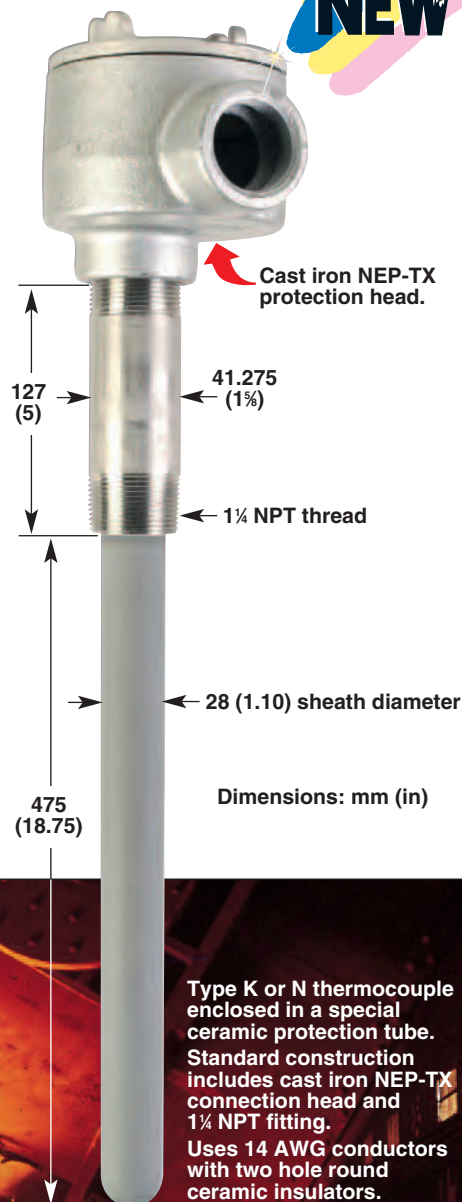
- ✓ Up to 1250°C (2282°F) Temperature Rating
- ✓ For Use in Molten Non-Ferrous Metals
- ✓ Connection Head with Terminal Block
- ✓ Custom Probe Lengths Available
- ✓ Available in Dual Element
- ✓ High Temperature Thermal Shock Resistance
- ✓ Corrosion Resistance
- ✓ 1½ NPT Mounting Thread Standard

TRODEKSTITE® 650 is the ceramic sheath which is an alloy of silicon nitride and aluminum oxide. This superior refractory material has the combined properties of silicon nitride (high strength, hardness, fracture toughness, and low thermal expansion) and aluminum oxide (corrosion resistance, chemically inert, high temperature capabilities, and oxidation resistance). Not recommended for caustic solutions and hydrofluoric acid.

Most refractory products can be used only in high temperature applications where one or two of the following properties are required: thermal shock resistant, mechanical strength, corrosion resistance, abrasion resistance or electrical insulation. TRODEKSTITE 650 combines all these properties in one refractory material. Preheating of the process is not necessary.

TRODEKS TITE 650 is uniquely qualified for non-ferrous molten metal applications and high wear or high impact environments up to 1250°C (2282°F). TRODEKS TITE 650 is non-wetting for most non-ferrous metals. It is gas tight, chemically inert, resistant to corrosion and metal attack, and features high strength, hardness, and thermal shock resistance.

TRODEKSTITE 650 thermocouple sheaths are used extensively for continuous measurements in nonferrous metals. In molten aluminum, TRODEKSTITE 650 is thermally shock resistant, non-wetting, does not contaminate the melt, provides continuous, reliable temperature measurement, and is resistant to degradation even in aggressive aluminum lithium alloys.



AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)					
Model No.	Price	Thermocouple Calibration	Length mm (in)	Probe Dia. mm (in)	Price Per Add'l 150 mm (6")
NEP-TX-K-PTRS-1628-475	\$875	K	475 (18.75)	28 (1.10)	\$125
NEP-TX-N-PTRS-1628-475	875	N			

Note: Ceramic tube packaged separately to avoid breakage during shipping. Shipped unassembled.

To order in longer length, change "-475" to length in mm. For dual configuration, add suffix "-DUAL" to model number and \$50 to price.

Ordering Example: NEP-TX-K-PTRS-1628-625, Type K thermocouple with 625 mm (24.61") long ceramic sheath for molten metal, \$1000.