

Transition Junction Style Probes

With High Temperature Molded Construction

Standard Dimensions

- ✓ 6" and 12" Lengths in Stock[†]
 - ✓ Sheath Diameters from 0.010" to 0.125"
 - ✓ 304SS, 310SS, 316SS, 321SS, Inconel or Super OMEGACLAD[®] XL Sheath
 - ✓ Grounded, Ungrounded or Exposed Junction
 - ✓ 40" Teflon[®]-Coated Lead Wires Standard
 - ✓ Environmentally Friendly Cadmium-Free Liquid Crystal Polymer
- Molded Transition Junction Rated to 260°C (500°F)

MEETS OR EXCEEDS
SPECIAL LIMITS
OF ERROR (SLE)
AND EN 60584-2:
Tolerance Class 1

OMEGACAL[®]
Factory CAL
AVAILABLE

MADE IN
USA

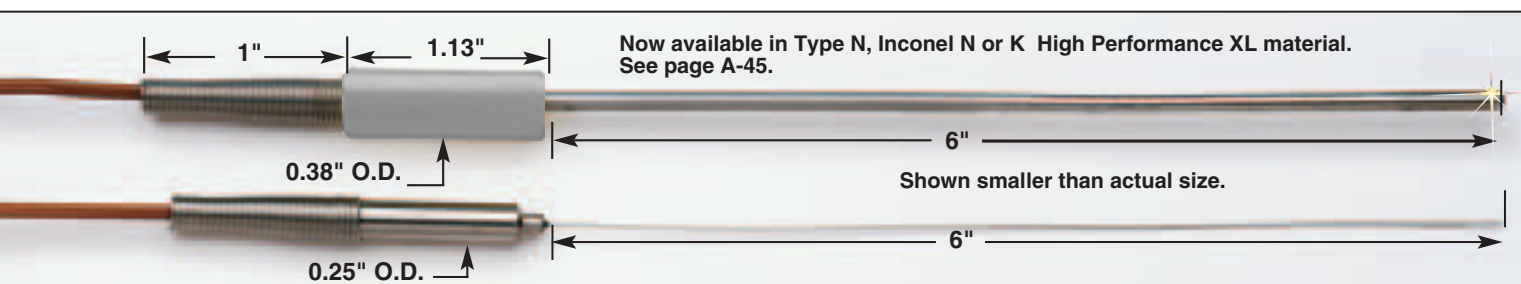
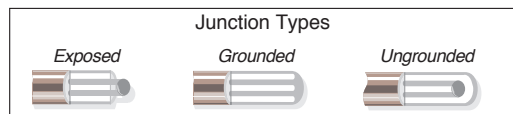
Available
in Type N
Calibration

ANSI
color
code
shown

To order
IEC color
code see
page A-9

Available as
SUPER
OMEGACLAD[®] XL
THERMOCOUPLE WIRE
MAXIMUM PERFORMANCE SHEATHING
ELIMINATES HIGH TEMPERATURE DRAFT

See Pages A-45 to A-48



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)						
Alloy/ANSI Color Code	Sheath Dia. in.	Model No. 6" Length		Model No. 12" Length		
Iron- Constantan 304 SS Sheath J	0.010"	JMTSS-010(*)-6		JMTSS-010(*)-12		
	0.020"	JMTSS-020(*)-6		JMTSS-020(*)-12		
	0.032"	JMTSS-032(*)-6		JMTSS-032(*)-12		
	0.040"	JMTSS-040(*)-6		JMTSS-040(*)-12		
	0.062"	JMTSS-062(*)-6		JMTSS-062(*)-12		
	0.125"	JMTSS-125(*)-6		JMTSS-125(*)-12		
CHROME [®] ALOMEGA [®] 304 SS Sheath **K	0.010"	KMTSS-010(*)-6		KMTSS-010(*)-12		
	0.020"	KMTSS-020(*)-6		KMTSS-020(*)-12		
	0.032"	KMTSS-032(*)-6		KMTSS-032(*)-12		
	0.040"	KMTSS-040(*)-6		KMTSS-040(*)-12		
	0.062"	KMTSS-062(*)-6		KMTSS-062(*)-12		
	0.125"	KMTSS-125(*)-6		KMTSS-125(*)-12		
CHROME [®] Constantan 304 SS Sheath E	0.010"	EMTSS-010(*)-6		EMTSS-010(*)-12		
	0.020"	EMTSS-020(*)-6		EMTSS-020(*)-12		
	0.032"	EMTSS-032(*)-6		EMTSS-032(*)-12		
	0.040"	EMTSS-040(*)-6		EMTSS-040(*)-12		
	0.062"	EMTSS-062(*)-6		EMTSS-062(*)-12		
	0.125"	EMTSS-125(*)-6		EMTSS-125(*)-12		
Copper- Constantan 304 SS Sheath T	0.020"	TMTSS-020(*)-6		TMTSS-020(*)-12		
	0.032"	TMTSS-032(*)-6		TMTSS-032(*)-12		
	0.040"	TMTSS-040(*)-6		TMTSS-040(*)-12		
	0.062"	TMTSS-062(*)-6		TMTSS-062(*)-12		
	0.125"	TMTSS-125(*)-6		TMTSS-125(*)-12		

Note: Probes with 0.040" diameter and larger supplied with molded transition joints. Smaller-size probes supplied with stainless steel transition joints. All Type N probes supplied with stainless steel transition joints; see page A-45 for Type N probe pricing and information.

*Specify junction type: **E** (exposed), **G** (grounded) or **U** (ungrounded). [†]Other lengths available, please consult Sales Department.

To order with 304, 310, 316 or 321 SS sheath, change "SS" in model number to "304SS", "310SS", "316SS" or "321SS" respectively. Consult Sales for lengths between 2 to 12", or for lengths over 24". Type N Inconel Sheathing is available, Contact Sales for model numbers. **For Super OMEGACLAD[®] XL, change "SS" to "XL".

Ordering Example: KMTSS-125U-6, subminiature transition joint probe, Type K, 0.125" O.D. 304 stainless steel sheath, 6" length, ungrounded junction.

Transition Junction Style Probes

With High Temperature Molded Construction

Metric Dimensions

- ✓ 150 mm and 300 mm Lengths in Stock†
- ✓ 1 m Teflon®-Coated Lead Wires Standard
- ✓ Sheath Diameters from 0.25 mm to 3.0 mm
- ✓ 304SS, 310SS, 316SS, 321SS, Inconel or Super OMEGACLAD® XL Sheath
- ✓ Grounded, Ungrounded or Exposed Junction
- ✓ Environmentally Friendly Cadmium-Free Liquid Crystal Polymer
- ✓ Molded Transition Junction Rated to 260°C (500°F)

MEETS OR EXCEEDS
SPECIAL LIMITS
OF ERROR (SLE)
AND EN 60584-2:
Tolerance Class 1

OMEGACLAD
Factory CAL
AVAILABLE
MADE IN
USA

Available
in Type N
Calibration

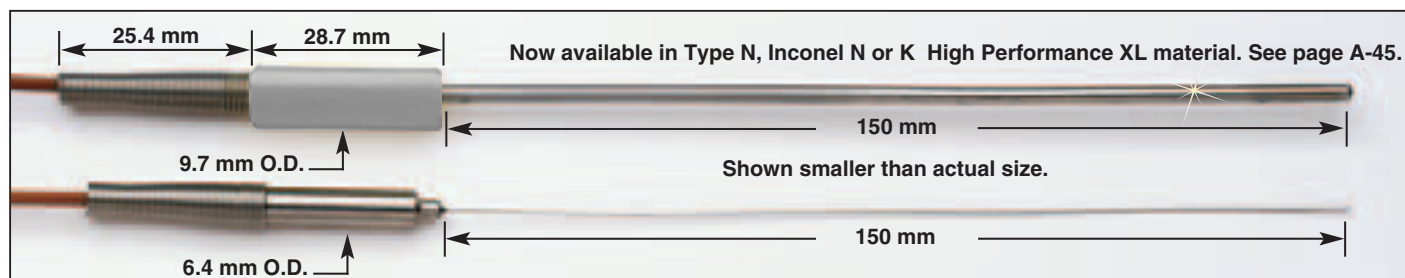
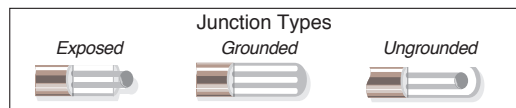
Available as

ANSI
color
code
shown

To order
IEC color
code see
page A-9

SUPER
OMEGACLAD® XL
THERMOCOUPLE WIRE
MAXIMUM PERFORMANCE SHEATHING
ELIMINATES HIGH TEMPERATURE DRAFT

See Pages A-45 to A-48



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Alloy/ANSI Color Code	Sheath Dia. mm	Model No. 150mm Length		Model No. 300 mm Length
Iron- Constantan 304 SS Sheath J	0.25	JMTSS-M025(*)-150		JMTSS-M025(*)-300
	0.50	JMTSS-M050(*)-150		JMTSS-M050(*)-300
	0.75	JMTSS-M075(*)-150		JMTSS-M075(*)-300
	1.0	JMTSS-M100(*)-150		JMTSS-M100(*)-300
	1.5	JMTSS-M150(*)-150		JMTSS-M150(*)-300
	3.0	JMTSS-M300(*)-150		JMTSS-M300(*)-300
CHROMECA® ALOMEGA® 304 SS Sheath **K	0.25	KMTSS-M025(*)-150		KMTSS-M025(*)-300
	0.50	KMTSS-M050(*)-150		KMTSS-M050(*)-300
	0.75	KMTSS-M075(*)-150		KMTSS-M075(*)-300
	1.0	KMTSS-M100(*)-150		KMTSS-M100(*)-300
	1.5	KMTSS-M150(*)-150		KMTSS-M150(*)-300
	3.0	KMTSS-M300(*)-150		KMTSS-M300(*)-300
CHROMECA® Constantan 304 SS Sheath E	0.25	EMTSS-M025(*)-150		EMTSS-M025(*)-300
	0.50	EMTSS-M050(*)-150		EMTSS-M050(*)-300
	0.75	EMTSS-M075(*)-150		EMTSS-M075(*)-300
	1.0	EMTSS-M100(*)-150		EMTSS-M100(*)-300
	1.5	EMTSS-M150(*)-150		EMTSS-M150(*)-300
	3.0	EMTSS-M300(*)-150		EMTSS-M300(*)-300
Copper- Constantan 304 SS Sheath T	0.50	TMTSS-M050(*)-150		TMTSS-M050(*)-300
	0.75	TMTSS-M075(*)-150		TMTSS-M075(*)-300
	1.0	TMTSS-M100(*)-150		TMTSS-M100(*)-300
	1.5	TMTSS-M150(*)-150		TMTSS-M150(*)-300
	3.0	TMTSS-M300(*)-150		TMTSS-M300(*)-300

Note: Probes with 1.0 mm diameter and larger supplied with molded transition joints. Smaller-size probes supplied with stainless steel transition joints. All Type N probes supplied with stainless steel transition joints; see page A-47 for Type N probe pricing and information.

*Specify junction type: E (exposed), G (grounded) or U (ungrounded).

†Other lengths available, consult Sales Department

To order with 304, 310, 316 or 321 SS sheath, change "SS" in model number to "304SS", "310SS", "316SS" or "321SS" respectively; no additional charge. Consult Sales for lengths between 2 to 12", or for lengths over 24". Type N Inconel Sheathing is available. Contact Sales for model numbers.

**For Super OMEGACLAD® XL, change "SS" to "XL"

Ordering Example: KMTSS-M150G-150, subminiature transition joint probe, Type K, 1.5 mm O.D. stainless steel sheath, 150 mm length, grounded junction.



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters