Industrial Mineral-Insulated Thermocouples with Protection Head and Process Connection

- Made from Class 1 Tolerance MI Cable
- All Head Styles Include a Terminal Block as Standard
- Optional In-Head Mounted Transmitters Available
- All Probes Individually Pressure and Insulation Tested
- ✓ ½ BSPT, G ½ or G ¼ Process Fittings
- 310, 316, 321 SS, Inconel ° or Super OMEGACLAD ™ XL sheaths
- ✓ Type K, N, T or J Thermocouple Types





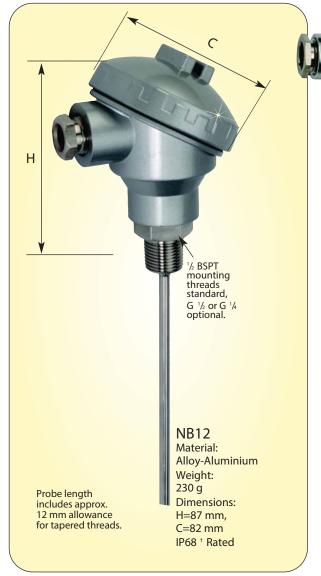




NB6

Material: Alloy-Aluminium

Weight: 250 g Dimensions: H=72 mm, C=72 mm IP53 † Rated







Industrial Thermocouple Protection Head Probe Assemblies

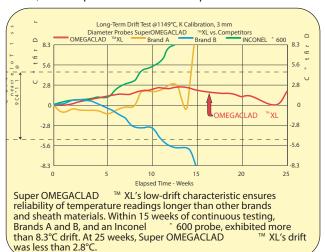
Why Choose Super OMEGACLAD [™] Probes?

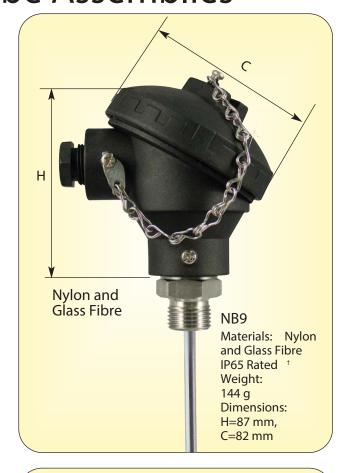
You've chosen an industrial head for your application. Why not complement it with an OMEGA Super OMEGACLAD

XL sheathed probe? These probes can be used at high temperatures for prolonged periods with very little drift of the base metal thermocouple. Super OMEGACLAD

™ XL sheathing provides excellent oxidation resistance, and can withstand exposure to combustion gases or air at temperatures up to 1335°C. Superior resistance to oxidation attack results from an internal protective high-temperature film that does not affect the stability of the thermocouple alloys. Super OMEGACLAD

™ XL sheathing also provides excellent resistance to corrosion in high temperature chlorine-contaminated oxidizing environments and ammonia/nitride-rich environments at temperatures above 980°C, the temperature at which the protective film forms.







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



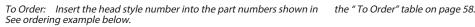


NB11

Material: Alloy-Aluminium Weight: 140 g Dimensions: H=64 mm, C=62 mm IP68 Rated †

† Final IP rating depends on quality of installation.





Ordering Example: NB12-CA310SS-IM60U-300, probe with an NB12 protection head

300 mm insulated junction Type K stainless steel thermocouple,

- Made from Class 1 Tolerance MI Cable
- All Head Styles Include a Terminal Block as Standard
- Optional In-Head Mounted Transmitters Available
- All Probes Individually Pressure and Insulation Tested
- ✓ ½ BSPT, G ½ or G ¼ Process Fittings
- 310, 316, 321 SS, Inconel ° or Super OMEGACLAD ™ XL sheaths
- ✓ Type K, N, T or J Thermocouple Types

These industrial thermocouple assemblies are manufactured from Class 1 MI cable. The semi-rigid sheath may be shaped to suit different applications. Protection heads and process fittings that suit most environmental and application conditions are available. A ½" BSPT process fitting is standard; refer to the note below the order table for details on how to specify G ½ or G ½ process threads.



SUPER OMEGACLAD^A XL HIGHLIGHTED!

To Order (Specify Model Number)				
Calibration IEC Code	Sheath Material	Sheath Dia. mm	Upper Temp Guidelines °C T/C Junction	Model No. 300 mm Length**
CHROMEGA TM-ALOMEGA TM	30455	1.5	899	NB(*)-CASS-IM15(†)-300
	304SS	3.0	899	NB(*)-CASS-IM30(†)-300
	304SS	4.5	899	NB(*)-CASS-IM45(†)-300
	304SS	6.0	899	NB(*)-CASS-IM60(†)-300
	INC600	1.5	921	NB(*)-CAIN-IM15(†)-300
	INC600	3.0	1071	NB(*)-CAIN-IM30(†)-300
	INC600	4.5	1149	NB(*)-CAIN-IM45(†)-300
	INC600	6.0	1149	NB(*)-CAIN-IM60(†)-300
	XL	1.5	1038	NB(*)-CAXL-IM15(†)-300
	XL	3.0	1149	NB(*)-CAXL-IM30(†)-300
	XL	4.5	1204	NB(*)-CAXL-IM45(†)-300
	XL	6.0	1204	NB(*)-CAXL-IM60(†)-300
IRON- CONSTANTAN	304SS	1.5	441	NB(*)-CPSS-IM15(†)-300
	304SS	3.0	521	NB(*)-CPSS-IM30(†)-300
	304SS	4.5	621	NB(*)-CPSS-IM45(†)-300
	304SS	6.0	721	NB(*)-CPSS-IM60(†)-300
IRON- CONSTANTAN	304SS	6.0	721	NB(*)-ICSS-IM15(†)-300
	304SS	6.0	721	NB(*)-ICSS-IM30(†)-300
	304SS	6.0	721	NB(*)-ICSS-IM45(†)-300
	304SS	6.0	721	NB(*)-ICSS-IM60(†)-300
OMEGA-P TM -NTM	XL	1.5	371	NB(*)-NNXL-IM15(†)-300
	XL	3.0	371	NB(*)-NNXL-IM30(†)-300
	XL	4.5	371	NB(*)-NNXL-IM45(†)-300
	XL	6.0	371	NB(*)-NNXL-IM60(†)-300

Note: PFA coating is available, 204°C max. **Other lengths available; consult Sales Department.

To order with with alternative Stainless Steel Sheaths change "SS" in part number to "310SS", "316SS" or "321SS."

†Specify junction type: E (exposed), G (grounded), U (ungrounded/insulated).

*Insert the numbers " 3" to "13" for NB3, NB5, NB6, NB8, NB9, NB11, NB12 or NB13 heads, respectively. Standard process fitting is 1/2" BSPT. For G '/₂ or G '/₃ fittings, add "-G2" or "-G4" to end of model number, no additional charge. for NB6, 8, 9, 11 and 12. There is an for NB3 head styles. To order with in-head 4-20 mA transmitter add -TX to end of part

number and specify scaling required. Ordering Example: NB5-CA310SS-IM60U-300,

150 mm insulated-junction 310 SS probe, Type K, 6 mm, sheath