



Super OMEGACLAD™ XL Probes

Very Low *Drift* at **High Temperatures**

Meets Class 1 Specs! Super Accurate, Super Stable, Super Value!

- ✓ For Use Up to 1335°C
- ✓ 1150°C Continuous Use
- ✓ Excellent Long Term Stability at High Temperatures

- ✓ Probes Individually Pressure and Insulation Tested
- ✓ Excellent oxidation, Carburisation and Chlorination Resistance

Universal Connector and Cable Clamp Included



Write-On Window™



Quick Connect Probes

ALL MODELS AVAILABLE FOR FAST DELIVERY!

IEC Colour Code	Sheath Dia. mm	Model Number IEC Colour Code	Junction Type				Price/Add'l
			G/E	U	G/E	U	
STANDARD CONNECTOR			300 mm Length		450 mm Length		150 mm
K	1.5	KQXL-IM15[*]-[**]	£17.50	£20.00	£18.05	£20.55	£0.55
	3.0	KQXL-IM30[*]-[**]	18.00	20.00	19.15	20.15	1.15
	4.5	KQXL-IM45[*]-[**]	19.50	20.75	21.10	22.35	1.60
	6.0	KQXL-IM60[*]-[**]	20.00	22.75	22.80	25.55	2.80
N	1.5	NQXL-IM15[*]-[**]	17.50	20.00	18.05	20.55	0.55
	3.0	NQXL-IM30[*]-[**]	18.00	20.00	19.15	20.15	1.15
	4.5	NQXL-IM45[*]-[**]	19.50	20.75	21.10	22.35	1.60
	6.0	NQXL-IM60[*]-[**]	20.00	22.75	22.80	28.80	2.80
MINIATURE CONNECTOR			150 mm Length		300 mm Length		Add'l 150 mm
K	0.25	KMQXL-IM025[*]-[**]	£34.00	£47.50	£34.95	£48.45	£0.95
	0.5	KMQXL-IM050[*]-[**]	20.75	22.00	21.20	22.45	0.45
	0.75	KMQXL-IM075[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.0	KMQXL-IM100[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.5	KMQXL-IM150[*]-[**]	18.00	19.50	18.55	20.05	0.55
	3.0	KMQXL-IM300[*]-[**]	18.00	19.50	19.15	20.65	1.15
N	0.5	NMQXL-IM050[*]-[**]	20.75	22.00	21.20	22.45	0.45
	0.75	NMQXL-IM075[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.0	NMQXL-IM100[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.5	NMQXL-IM150[*]-[**]	18.00	19.50	18.55	20.05	0.55
	1.5	NMQXL-IM150[*]-[**]	18.00	19.50	18.55	20.05	0.55
	3.0	NMQXL-IM300[*]-[**]	18.00	19.50	19.15	20.65	1.15

Special Application? Dual Element Thermocouple Assemblies can supply independent signals to a recorder and a controller. They're available in 300 mm lengths (standard) and 1.5 to 6 mm diameters with miniature and standard size dual connectors. For more information, contact sales.

Transition Junction Probes

IEC Colour Code	Sheath Dia. mm	Model Number IEC Colour Code	Junction Type				Price/Add'l
			G/E	U	G/E	U	
HEAVY DUTY TRANSITION JUNCTION PROBE			300 mm Length		450 mm Length		150 mm
K	1.5	TJ1-CAXL-IM15[*]-[**]	£20.75	£22.00	£21.30	£22.55	£0.55
	3.0	TJ1-CAXL-IM30[*]-[**]	20.75	22.00	21.90	23.15	1.15
	4.5	TJ1-CAXL-IM45[*]-[**]	21.50	22.75	23.10	24.35	1.60
	6.0	TJ1-CAXL-IM60[*]-[**]	25.50	27.00	28.30	29.80	2.80
N	1.5	TJ1-NNXL-IM15[*]-[**]	20.75	22.00	21.30	22.55	0.55
	3.0	TJ1-NNXL-IM30[*]-[**]	20.75	22.00	21.90	23.15	1.15
	4.5	TJ1-NNXL-IM45[*]-[**]	21.50	22.75	23.10	24.35	1.60
	6.0	TJ1-NNXL-IM60[*]-[**]	25.50	27.00	28.30	29.80	2.80
MINIATURE TRANSITION JUNCTION PROBE			150 mm Length		300 mm Length		Add'l 150 mm
K	0.25	KMTXL-IM025[*]-[**]	£34.00	£47.50	£34.95	£48.45	£0.95
	0.5	KMTXL-IM050[*]-[**]	20.75	22.00	21.20	22.45	0.45
	0.75	KMTXL-IM075[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.0	KMTXL-IM100[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.5	KMTXL-IM150[*]-[**]	18.00	19.50	18.55	20.05	0.55
	3.0	KMTXL-IM300[*]-[**]	18.00	19.50	19.15	20.65	1.15
N	0.5	KMTXL-IM050[*]-[**]	20.75	22.00	21.20	22.45	0.45
	0.75	KMTXL-IM075[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.0	KMTXL-IM100[*]-[**]	20.75	22.00	21.20	22.45	0.45
	1.5	KMTXL-IM150[*]-[**]	18.00	19.50	18.55	20.05	0.55
	1.5	KMTXL-IM150[*]-[**]	18.00	19.50	18.55	20.05	0.55
	3.0	KMTXL-IM300[*]-[**]	18.00	19.50	19.15	20.65	1.15

Notes for both tables: Probes with 0.75 mm diameter and larger are supplied with moulded transition joints. Smaller sized probes are supplied with stainless steel transition joints.

[*] Specify junction type: G (Grounded), E (Exposed), or U (Insulated).

[**] Specify Length in millimetres: 150 mm, 300 mm, 500 mm.

Ordering Example for Quick Connect Probes: KQXL-IM30U-300, Moulded Quick Connect Probe, Type K (CHROMEGLA™-ALOMEGA™), SUPER OMEGACLAD™ XL sheath, 3 mm O.D., insulated junction, 300 mm length.

Ordering Example for Transition Junction Probes: TJ1-CAXL-M60G-300, Heavy Duty Transition Junction Probe, Type K (CHROMEGLA™-ALOMEGA™), SUPER OMEGACLAD™ XL sheath, 6 mm O.D., grounded junction, 300 mm length.

Miniature Size

Both Models Include Mating Connector with Cable Clamp

Shown smaller than actual size.

Standard Size

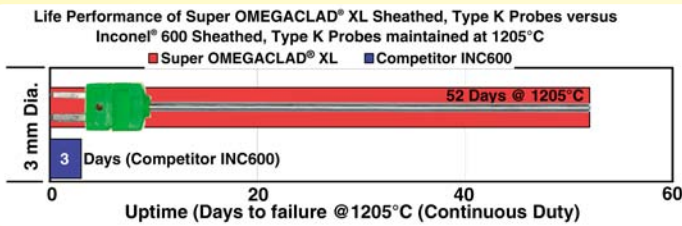


Super OMEGACLAD™ XL Probes

Lower your maintenance costs with Off-the-Shelf long-life Thermocouple Probes



THERMOCOUPLES



Long Life, Low Maintenance!

If your application operates at the punishing temperature of 1200°C, changing out failed thermocouples costs money in excessive maintenance, slows or cuts production, and can cause inconsistent product quality.

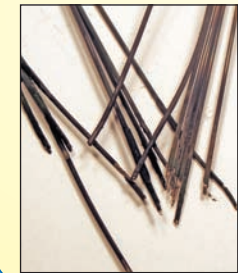
In head-to-head tests, Super OMEGACLAD™ XL Thermocouple probes consistently achieve the best performance results. Our innovative temperature sensors last over 10 times longer when compared to competitors' Inconel® 600 sheathed probes of equal or larger diameters. Let OMEGA's leading edge products help engineer your next innovation!



1200°C? Replace 17 of theirs in 52 days or just one of ours!

In life-cycle lab testing, the Super OMEGACLAD™ XL Sheathed, 3 mm Type K Probe operated continuously for 52 days at 1205°C while competitors' 3 mm Inconel® 600 Sheathed, Type K Probes lasted 3 days.†

†Results will vary on application and operating environment.



Super OMEGACLAD™ XL probes are also available in a four-wire construction (two thermocouple junctions) with bare leads. These quality probes pass stringent insulation resistance (IR) checks and pressurised leak tests at 25 Bar.



NB12 industrial head in Aluminium with IP67 rating. The head includes internal terminal block, M20 cable gland, and standard ½ inch BSPT process thread. (Shown smaller than actual size.)

Ordering Example for Dual Probes, multiply price by 1.75. TJ1-CAXL-IM30U-500-DUAL, Dual Super OMEGACLAD™ XL heavy-duty transition junction probe, 3 mm Dia., Insulated, 500 mm: £23.15 x 1.75 = £24.90

Industrial Head Probes

IEC Colour Code	Sheath Dia. mm	Model Number IEC Colour Code	300 mm Length		600 mm Length		Price/Add'l 300mm
			G/E	U	G/E	U	
K	1.5	NB(†)-CAXL-IM15[*]-[**]	£30.00	£31.50	£31.15	£32.65	£1.15
	3.0	NB(†)-CAXL-IM30[*]-[**]	30.00	31.50	32.30	33.80	2.30
	4.5	NB(†)-CAXL-IM45[*]-[**]	31.00	32.00	34.20	35.20	3.20
	6.0	NB(†)-CAXL-IM60[*]-[**]	33.50	35.00	39.10	40.60	5.60
N	1.5	NB(†)-NNXL-IM15[*]-[**]	30.00	31.50	£31.15	£32.65	£1.15
	3.0	NB(†)-NNXL-IM30[*]-[**]	30.00	31.50	32.30	33.80	2.30
	4.5	NB(†)-NNXL-IM45[*]-[**]	31.00	32.00	34.20	35.20	3.20
	6.0	NB(†)-NNXL-IM60[*]-[**]	33.50	35.00	39.10	40.60	5.60

(†)Specify Head Style. 11 (NB11, Dimensions of C = 62 mm, H = 67 mm), 12 (NB12, Dim. of C = 82 mm, H = 87 mm).

[*]Specify junction type: G (Grounded), E (Exposed), U (Insulated).

[**]Specify Length in millimetres: 150 mm, 300 mm, or 600 mm.

Ordering Example: NB11-CAXL-IM60G-300 Industrial Head Probe, NB1 Style Head, Type K (CHROMEGLA™-ALOMEGA™) SUPER OMEGACLAD™ XL sheath, 6 mm O.D., grounded junction, 300 mm length. Price: £33.50.



Utility Handle Probes

IEC Colour Code	Sheath Dia. mm	Model Number IEC Colour Code	Junction Types				Price/Add'l 300 mm
			300 mm Length†		600 mm Length		
			G/E	U	G/E	U	
K	1.5	KHXL-IM15[*]-RSC-[**]	£24.00	£29.00	£25.15	£30.15	£1.15
	3.0	KHXL-IM30[*]-RSC-[**]	24.75	29.50	27.05	31.80	2.30
	4.5	KHXL-IM45[*]-RSC-[**]	26.00	28.00	29.20	31.20	3.20
	6.0	KHXL-IM60[*]-RSC-[**]	27.50	29.00	33.10	34.60	5.60
N	1.5	NHXL-IM15[*]-RSC-[**]	24.00	29.00	£25.15	£30.15	£1.15
	3.0	NHXL-IM30[*]-RSC-[**]	24.75	29.50	27.05	31.80	2.30
	4.5	NHXL-IM45[*]-RSC-[**]	26.00	28.00	29.20	31.20	3.20
	6.0	NHXL-IM60[*]-RSC-[**]	27.50	29.00	33.10	34.60	5.60

† 150 mm probes are also available at the same price of 300 mm probes.

[*]Specify junction type: G (Grounded), E (Exposed), or U (Insulated).

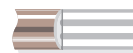
[**]Specify Length in millimetres: 150 mm, 300 mm, or 600 mm.

Ordering Example: KHXL-IM60G-RSC-300, Utility Handle Probe, Type K (CHROMEGLA™-ALOMEGA™), SUPER OMEGACLAD™ XL sheath, 6 mm O.D., grounded junction, 300 mm length, supplied with a miniature thermocouple plug, £27.50.

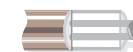
Inconel® is a registered trademark of Huntington Alloys Canada Ltd

Junction Types

Grounded



Exposed



Insulated

