



Super OMEGACLAD® XL Thermocouple Probes

A Technological Advance in Temperature Measurement

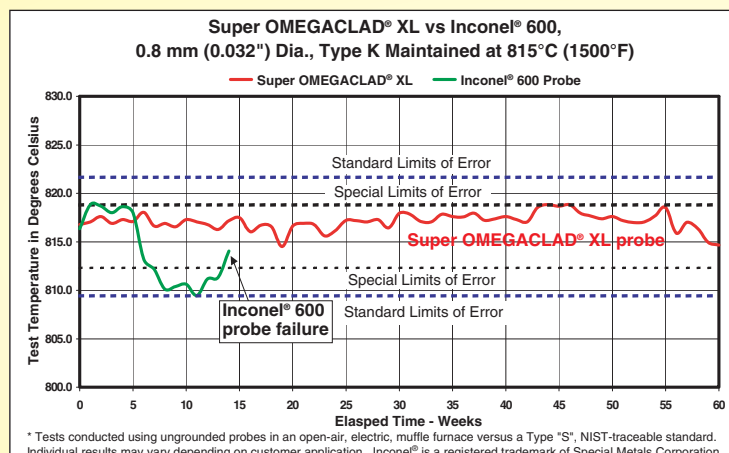
High Performance!



KQXL-18U-12, \$30, shown smaller than actual size.

- ✓ **New Thermocouple Technology for K and N Calibrations Only**
- ✓ **Super Stable Temperature Drift—Less than 2.8°C in 25 weeks**
- ✓ **Better Performance at a Smaller Size—0.8 mm Probe Withstands 815°C (1500°F) for 3 Years**
- ✓ **Probe Life Expectancy up to 10 Times Greater than Competing Devices***
- ✓ **Handles Temperatures Up to 1335°C (2400°F)**

NewportUS Brings you the Super OMEGACLAD® XL Thermocouple Probe family, the latest, **exclusive** innovation in thermocouple technology. Manufactured using state-of-the-art processes for mineral insulated (MI) thermocouple cable and finished thermocouple probe assemblies, these temperature sensors maximize performance, even at extremely small diameters. The devices resist carburization, oxidation, and chlorination in tough environments.



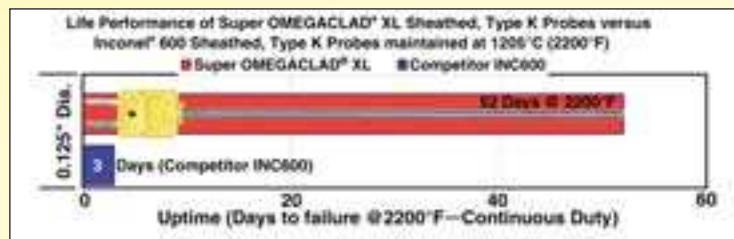
Small Size, Big Performance!

Typical 0.8 mm (0.032") Dia. Type K probes have a maximum temperature of 700°C (1260°F). Our Super OMEGACLAD® XL 0.8 mm (0.032") Dia. probe took on 815°C (1500°F) for 3 years and even reached 1000°C (1832°F) for 2 months!

0.250"
2.25 sec**
0.125"
0.55 sec**
0.062"
0.3 sec**
0.032"
~0.25 sec**

Probes shown ~50% smaller than actual size.

**Approx. response time—ungrounded in water



1204°C (2200°F) replace 17 of theirs in 52 days or just one of ours!

In life-cycle lab testing, the OMEGACLAD® XL sheathed, 0.125" Type K Probe operated continuously for 52 days at 1204°C (2200°F) while competitors' 0.125" Inconel® 600 sheathed, Type K probes lasted 3 days.†

†Results will vary on application and operating environment.

Long Life, Low Maintenance!

If your application operates at the punishing temperature of nearly 1204°C (2200°F), changing out failed thermocouples costs money in excessive maintenance, slows or cuts production, and can cause inconsistent product quality.

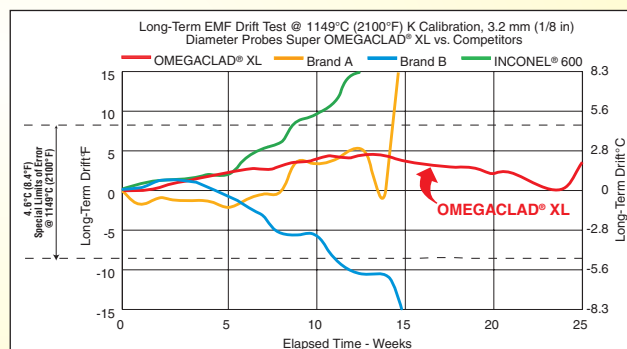
In head-to-head tests, Super OMEGACLAD® XL Thermocouple probes consistently post the best performance results. Our innovative temperature sensors last upwards of 10 times or longer when compared to competitors' Inconel® 600 sheathed probes of equal or larger diameters. Let our leading edge products help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



Super OMEGACLAD® XL thermocouple probes in its Class 10 clean rooms to monitor critical process temperatures and achieve consistent, high-quality products.

Low Drift, Reliable Temperatures!

Super OMEGACLAD® XL's low-drift characteristic ensures reliability of temperature readings longer than any other brand or sheath material. Within 15 weeks, Brands A, B, and C exhibited more than 8.3°C drift. At 25 weeks, OMEGACLAD® XL's drift was less than 2.8°C.*



*Tests conducted using ungrounded probes in an open-air, electric, muffle furnace versus a Type "S", NIST-traceable standard. Individual results may vary depending on customer application. Inconel® is a registered trademark of Special Metals Corporation.

Available as



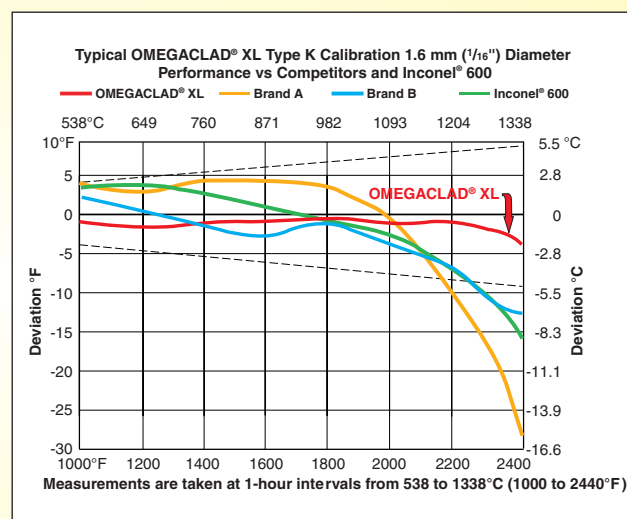
Look for this logo to identify probes available in Super OMEGACLAD® XL sheathed thermocouple wire and probes

TJ36-CAXL-18U-12, \$33, shown smaller than actual size. See pages A-43c through A-43f for OMEGA's Super OMEGACLAD® XL probe offerings.



NB1-CAXL-14U-12, \$52, shown smaller than actual size.

Take on High Temperatures!



In tests up to 1335°C (2400°F), Super OMEGACLAD® XL outperformed both the Inconel® 600 and other competing high-temperature models.

Super OMEGACLAD® XL Probes

Very Low Drift at High Temperatures

Super Accurate, Super Stable, Super Value—**Standard** Dimensions

- ✓ For Use Up to 1335°C (2440°F)
- ✓ Excellent Long-Term Stability at High Temperatures
- ✓ Larger Diameter Available (Consult Sales)



Universal connector and clamp included



Standard Dimension—Quick-Connect Probes

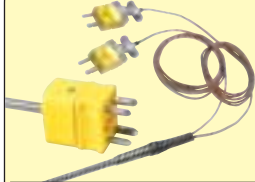
MOST POPULAR MODELS HIGHLIGHTED!

Alloy/ANSI Color Code	Sheath Dia. inches	Model Number ANSI Color Code	Junction Type				Price/Add'l
			G/E	U	G/E	U	
MOLDED STANDARD CONNECTOR			12"		18"		6"
CHROMEPA®- ALOMEGA® XL Sheath K	1/16"	KQXL-116[*]-[**]	\$26.00	\$30.00	\$26.80	\$30.80	\$0.85
	1/8"	KQXL-18[*]-[**]	27.00	30.00	28.60	31.60	1.75
	3/16"	KQXL-316[*]-[**]	29.00	31.00	31.00	33.20	2.40
	1/4"	KQXL-14[*]-[**]	30.00	33.80	33.80	37.80	4.15
OMEGA-P®- OMEGA-N® XL Sheath N	1/16"	NQXL-116[*]-[**]	\$26.00	\$30.00	\$26.00	\$30.80	\$0.85
	1/8"	NQXL-18[*]-[**]	27.00	30.00	28.60	31.60	1.75
	3/16"	NQXL-316[*]-[**]	29.00	31.00	31.00	33.20	2.40
	1/4"	NQXL-14[*]-[**]	30.00	33.80	33.80	37.80	4.15
MINIATURE CONNECTOR			6"		12"		Add'l 6"
CHROMEPA®- ALOMEGA® XL Sheath K	0.010"	KMQXL-010[*]-[**]	\$51.00	\$71.00	\$52.00	\$72.99	\$1.40
	0.020"	KMQXL-020[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.032"	KMQXL-032[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.040"	KMQXL-040[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.062"	KMQXL-062[*]-[**]	27.00	29.00	27.80	29.80	0.85
	0.125"	KMQXL-125[*]-[**]	27.00	29.00	27.95	29.80	1.75
OMEGA-P®- OMEGA-N® XL Sheath N	0.020"	NMQXL-020[*]-[**]	\$31.00	\$33.00	\$31.65	\$33.65	\$0.70
	0.032"	NMQXL-032[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.040"	NMQXL-040[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.062"	NMQXL-062[*]-[**]	27.00	29.00	27.80	29.80	0.85
	0.125"	NMQXL-125[*]-[**]	27.00	29.00	27.95	29.80	1.75

Heavy-duty style

Miniature style

Dual Elements



The probes shown on this page are also available in our dual element configuration. Please contact the Sales Department for more details.

Miniature size

Both models include mating connector and cable clamp

Products shown smaller than actual size.

Standard size

Standard Dimension—Transition Junction Probes

Alloy/ANSI Color Code	Sheath Dia. inches	Model Number ANSI Color Code	Junction Type				Price/Add'l
			G/E	U	G/E	U	
HEAVY DUTY TRANSITION JUNCTION PROBE			12"		18"		6"
CHROMEPA®- ALOMEGA® XL Sheath K	1/16"	TJ36-CAXL-116[*]-[**]	\$31.00	\$33.00	\$31.80	\$33.80	\$0.85
	1/8"	TJ36-CAXL-18[*]-[**]	31.00	33.00	33.00	34.60	1.75
	3/16"	TJ36-CAXL-316[*]-[**]	32.00	34.00	34.20	36.20	2.40
	1/4"	TJ36-CAXL-14[*]-[**]	38.00	40.00	41.80	43.80	4.15
	5/16"	TJ36-CAXL-516[*]-[**]	44.00	46.00	50.00	52.00	6.50
	3/8"	TJ36-CAXL-38[*]-[**]	50.00	52.00	59.00	61.00	9.30
OMEGA-P®- OMEGA-N® XL Sheath N	1/16"	TJ36-NNXL-116[*]-[**]	\$31.00	\$33.00	\$31.80	\$33.80	\$0.85
	1/8"	TJ36-NNXL-18[*]-[**]	31.00	33.00	33.00	34.60	1.75
	3/16"	TJ36-NNXL-316[*]-[**]	32.00	34.00	34.20	36.20	2.40
	1/4"	TJ36-NNXL-14[*]-[**]	38.00	40.00	41.80	43.80	4.15
	5/16"	TJ36-NNXL-516[*]-[**]	44.00	46.00	50.00	52.00	6.50
	3/8"	TJ36-NNXL-38[*]-[**]	50.00	52.00	59.00	61.00	9.30
MINIATURE TRANSITION JUNCTION PROBE			6"		12"		Add'l 6"
CHROMEPA®- ALOMEGA® XL Sheath K	0.010"	KMTXL-010[*]-[**]	\$51.00	\$71.00	\$43.80	\$72.00	\$1.40
	0.020"	KMTXL-020[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.032"	KMTXL-032[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.040"	KMTXL-040[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.062"	KMTXL-062[*]-[**]	27.00	29.00	27.80	29.80	0.85
	0.125"	KMTXL-125[*]-[**]	27.00	29.00	27.95	29.80	1.75
OMEGA-P®- OMEGA-N® XL Sheath N	0.020"	NMTXL-020[*]-[**]	\$31.00	\$33.00	\$31.65	\$33.65	\$0.70
	0.032"	NMTXL-032[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.040"	NMTXL-040[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.062"	NMTXL-062[*]-[**]	27.00	29.00	27.80	29.80	0.85
	0.125"	NMTXL-125[*]-[**]	27.00	29.00	27.95	29.80	1.75

Note: Probes with 0.032" diameter and larger are supplied with molded transition joints. Smaller-sized probes are supplied with stainless steel transition joints.

[*]Specify junction type: **G** (Grounded), **E** (Exposed) or **U** (Ungrounded). [**]Specify length in inches: **6, 12, 18** or **24**.

Ordering Example for Quick-Connect Probes: KQXL-18U-12, molded quick-connect probe, Type K

(CHROMEPA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/8" OD, ungrounded junction, 12", \$30.

Ordering Example for Transition Junction Probes: TJ36-CAXL-14G-12, heavy-duty transition junction probe, Type K (CHROMEPA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12", \$38.

Super OMEGACLAD® XL Probes

Available in Most Thermocouple Probe Styles and Designs with **Standard** Dimensions

ANSI
color
code
shown

To order
IEC color
code see
page A-9

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

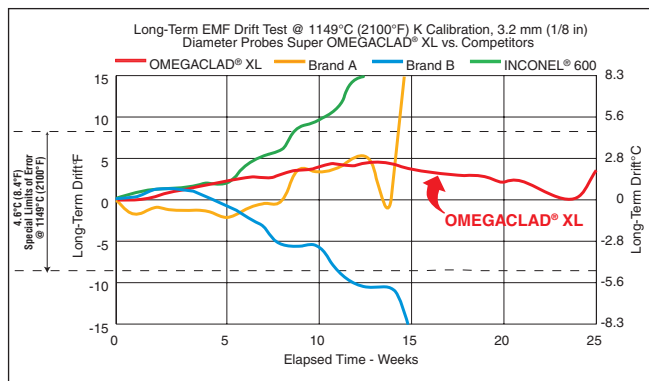
OMEGACLAD®
Factory CAL
AVAILABLE
MADE IN
USA
See Section I

- ✓ Standard- and Miniature-Size Quick-Connect and Molded Transition Junction Probes
- ✓ Rugged Industrial Head Styles, Replacement Probes, and Utility Handle Probes
- ✓ All Standard Lengths Available—6, 12, 18, and 24"

For models
with **metric**
dimensions,
see pages
A-47 and A-48.

All industrial head
probe styles are available
in **SUPER OMEGACLAD® XL**
design! See pages
A-135 to A-140.

PFA Coating
Available.
Consult Sales.



Standard Dimension—Industrial Head Probe Assemblies and Replacement Probes

MOST POPULAR MODELS HIGHLIGHTED!

Alloy/ANSI Color Code	Sheath Dia. inches	Model Number ANSI Color Code	12"		18"		Price/Add'l 6"
			G/E	U	G/E	U	
CHROME-ALOMEGA® XL Sheath K	1/16"	NB(*)-CAXL-116[*]-[**]	\$45.00	\$47.00	\$45.80	\$47.90	\$0.85
	1/8"	NB(*)-CAXL-18[*]-[**]	45.00	47.00	46.75	48.75	1.75
	3/16"	NB(*)-CAXL-316[*]-[**]	46.00	48.00	48.40	50.40	2.40
	1/4"	NB(*)-CAXL-14[*]-[**]	50.00	52.00	54.15	56.15	4.15
	5/16"	NB(*)-CAXL-516[*]-[**]	56.00	58.00	62.50	64.50	6.50
	3/8"	NB(*)-CAXL-38[*]-[**]	62.00	64.00	63.30	65.30	9.30
OMEGA-P-OMEGA-N® XL Sheath N	1/16"	NB(*)-NNXL-116[*]-[**]	\$45.00	\$47.00	\$45.80	\$47.90	\$0.85
	1/8"	NB(*)-NNXL-18[*]-[**]	45.00	47.00	46.75	48.75	1.75
	3/16"	NB(*)-NNXL-316[*]-[**]	46.00	48.00	48.40	50.40	2.40
	1/4"	NB(*)-NNXL-14[*]-[**]	50.00	52.00	54.15	56.15	4.15
	5/16"	NB(*)-NNXL-516[*]-[**]	56.00	58.00	62.50	64.50	6.50
	3/8"	NB(*)-NNXL-38[*]-[**]	62.00	64.00	63.30	65.30	9.30

(*) Specify head style from pages A-135 to A-140: 1 (NB1), 2 (NB2), 3 (NB3), 4 (NB4), 5 (NB5), 6 (NB6), 7 (NB7), 8 (NB8), 9 (NB9), 10 (NB10), 11 (NB11), 12 (NB12). Note: NB4, 8, 10, 11 not offered with 3/8" Dia. probes
[*] Specify junction type: **G** (Grounded), **E** (Exposed), **U** (Ungrounded) or **S** (Surface).
[**] Specify length in inches: 6, 12, 18 or 24.

Ordering Example: NB1-CAXL-14G-12, industrial head probe, NB1-style head, Type K (CHROME-ALOMEGA®) SUPER OMEGACLAD® XL sheath, (1/4") OD, grounded junction, 12" length, \$50.
To order a replacement probe for a head assembly, add "RP" to the part number and subtract \$14 from the price above.
Ordering Example: NB1-CAXL-14G-12-RP, industrial head replacement probe, for NB1-style head assembly, Type K (CHROME-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12" length, \$36.

Standard Dimension—Utility Handle Probes

MOST POPULAR MODELS HIGHLIGHTED!

Alloy/ANSI Color Code	Sheath Dia. inches	Model Number ANSI Color Code	Junction Type				Price/Add'l 6"
			12"		18"		
CHROMEGA®- ALOMEGA® XL Sheath K	1/16"	KHXL-116[*]-RSC-[*]	\$36.90	\$43.00	\$36.80	\$43.80	\$0.85
	1/8"	KHXL-18[*]-RSC-[*]	37.00	44.00	38.60	45.60	1.75
	3/16"	KHXL-316[*]-RSC-[*]	39.00	42.00	41.20	44.20	2.40
	1/4"	KHXL-14[*]-RSC-[*]	41.00	43.00	44.80	47.80	4.15
	5/16"	†KHXL-516[*]-RSC-[*]	50.00	52.00	56.50	58.50	6.50
	3/8"	†KHXL-38[*]-RSC-[*]	55.00	57.00	64.30	66.30	9.30
OMEGA-P®- OMEGA-N® XL Sheath N	1/16"	NHXL-116[*]-RSC-[*]	\$36.00	\$43.00	\$36.80	\$43.80	\$0.85
	1/8"	NHXL-18[*]-RSC-[*]	37.00	44.00	38.60	45.60	1.75
	3/16"	NHXL-316[*]-RSC-[*]	39.00	42.00	41.20	43.80	2.40
	1/4"	NHXL-14[*]-RSC-[*]	41.00	43.00	44.80	47.80	4.15
	5/16"	†NHXL-516[*]-RSC-[*]	50.00	52.00	56.50	58.50	6.50
	3/8"	†NHXL-38[*]-RSC-[*]	55.00	57.00	64.30	66.30	9.30

[*] Specify junction type: **G** (Grounded), **E** (Exposed), **U** (Ungrounded) or **S** (Surface). [**] Specify length in inches: 6, 12, 18 or 24.
Ordering Example: KHXL-14G-RSC-12, utility handle probe, Type K (CHROME-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12" length, supplied with a miniature connector (SMP) termination, \$41.

†Please Note: These diameters will be manually assembled, not molded.



Products shown smaller than actual size.

NB1 Style Shown

Junction Types

Grounded



Exposed



Ungrounded



Super OMEGACLAD® XL Probes

Very Low Drift at High Temperatures

Super Accurate, Super Stable, Super Value—**Metric** Dimensions

- ✓ For Use Up to 1335°C (2440°F)
- ✓ Excellent Long-Term Stability at High Temperatures
- ✓ Larger Diameter Available (Consult Sales)



Universal connector and cable clamp included



Metric Dimension—Quick-Connect Probes

MOST POPULAR MODELS HIGHLIGHTED!

Alloy/ANSI Color Code	Sheath Dia. mm	Model Number ANSI Color Code	Junction Type				Price/Add'l
			G/E	U	G/E	U	
MOLDED STANDARD CONNECTOR			300 mm Length		450 mm Length		150 mm
CHROMEGA®- ALOMEGA® XL Sheath K	1.5	KQXL-M15[*]-[**]	\$26.00	\$30.00	\$26.80	\$30.80	\$0.85
	3.0	KQXL-M30[*]-[**]	27.00	30.00	26.80	31.60	1.75
	4.5	KQXL-M45[*]-[**]	29.00	31.00	31.00	33.20	2.40
	6.0	KQXL-M60[*]-[**]	30.00	33.80	37.80	37.80	4.15
OMEGA-P®- OMEGA-N® XL Sheath N	1.5	NQXL-M15[*]-[**]	\$26.00	\$30.00	\$26.80	\$30.80	\$0.85
	3.0	NQXL-M30[*]-[**]	27.00	30.00	28.60	31.60	1.75
	4.5	NQXL-M45[*]-[**]	29.00	31.00	31.00	33.20	2.40
	6.0	NQXL-M60[*]-[**]	30.00	38.50	33.80	37.80	4.15
MINIATURE CONNECTOR			150 mm Length		300 mm Length		Add'l 150 mm
CHROMEGA®- ALOMEGA® XL Sheath K	0.25	KMQXL-M025[*]-[**]	\$51.00	\$71.00	\$72.99	\$72.99	\$1.40
	0.5	KMQXL-M050[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.75	KMQXL-M075[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.0	KMQXL-M100[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.5	KMQXL-M150[*]-[**]	27.00	29.00	29.80	29.80	0.85
	3.0	KMQXL-M300[*]-[**]	27.00	29.00	29.80	29.80	1.75
OMEGA-P®- OMEGA-N® XL Sheath N	0.5	NMQXL-M050[*]-[**]	\$31.00	\$33.00	\$31.65	\$33.65	\$0.70
	0.75	NMQXL-M075[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.0	NMQXL-M100[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.5	NMQXL-M150[*]-[**]	27.00	29.00	29.80	29.80	0.85
	3.0	NMQXL-M300[*]-[**]	27.00	29.00	29.80	29.80	1.75

Heavy duty style

Miniature style

Metric Dimension—Transition Junction Probes

Alloy/ANSI Color Code	Sheath Dia. mm	Model Number ANSI Color 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
CHROMEGA®- ALOMEGA® XL Sheath K	1.5	TJ36-CAXL-M15[*]-[**]	\$31.00	\$33.00	\$31.80	\$33.80	\$0.85
	3.0	TJ36-CAXL-M30[*]-[**]	31.00	33.00	33.00	34.60	1.75
	4.5	TJ36-CAXL-M45[*]-[**]	32.00	34.00	34.20	36.20	2.40
	6.0	TJ36-CAXL-M60[*]-[**]	38.00	40.00	41.80	43.80	4.15
	8.0	TJ36-CAXL-M80[*]-[**]	44.00	46.00	50.00	52.00	6.50
	9.5	TJ36-CAXL-M95[*]-[**]	50.00	52.00	59.00	61.00	9.30
OMEGA-P®- OMEGA-N® XL Sheath N	1.5	TJ36-NNXL-M15[*]-[**]	\$31.00	\$33.00	\$31.80	\$33.80	\$0.85
	3.0	TJ36-NNXL-M30[*]-[**]	31.00	33.00	33.00	34.60	1.75
	4.5	TJ36-NNXL-M45[*]-[**]	32.00	34.00	34.20	36.20	2.40
	6.0	TJ36-NNXL-M60[*]-[**]	38.00	40.00	41.80	43.80	4.15
	8.0	TJ36-NNXL-M80[*]-[**]	44.00	46.00	50.00	52.00	6.50
	9.5	TJ36-NNXL-M95[*]-[**]	50.00	52.00	59.00	61.00	9.30
MINIATURE TRANSITION JUNCTION PROBE			150 mm Length		300 mm Length		Add'l 150 mm
CHROMEGA®- ALOMEGA® XL Sheath K	0.25	KMTXL-M025[*]-[**]	\$51.00	\$71.00	\$43.80	\$72.00	\$1.40
	0.5	KMTXL-M050[*]-[**]	31.00	33.00	31.65	33.65	0.70
	0.75	KMTXL-M075[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.0	KMTXL-M100[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.5	KMTXL-M150[*]-[**]	27.00	29.00	27.80	29.80	0.85
	3.0	KMTXL-M300[*]-[**]	27.00	29.00	27.95	29.80	1.75
OMEGA-P®- OMEGA-N® XL Sheath N	0.5	NMTXL-M050[*]-[**]	\$31.00	\$33.00	\$31.65	\$33.65	\$0.70
	0.75	NMTXL-M075[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.0	NMTXL-M100[*]-[**]	31.00	33.00	31.65	33.65	0.70
	1.5	NMTXL-M150[*]-[**]	27.00	29.00	27.80	29.80	0.85
	3.0	NMTXL-M300[*]-[**]	27.00	29.00	27.95	29.80	1.75

Note: Probes with 0.75 mm diameter and larger are supplied with molded transition joints. Smaller-sized probes are supplied with stainless steel transition joints.

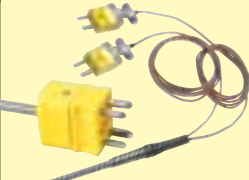
[*]Specify junction type: **G** (Grounded), **E** (Exposed) or **U** (Ungrounded)

[**]Specify length in millimeters: **150 mm**, **300 mm**, **450 mm**, **600 mm**.

Ordering Example for Quick-Connect Probes: KQXL-M30U-300, molded quick connect probe, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 3 mm OD, ungrounded junction, 300 mm length, \$30.

Ordering Example for Transition Junction Probes: TJ36-CAXL-M60G-300, heavy-duty transition junction probe, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, \$38.

Dual Elements



The probes shown on this page are also available in our dual element configuration. Please contact the Sales Department for more details.

Miniature size

Both models include mating connector with cable clamp

Shown smaller than actual size.

Standard size

Super OMEGACLAD® XL Probes

Available in Most Thermocouple Probe Styles and Designs with **Metric** Dimensions

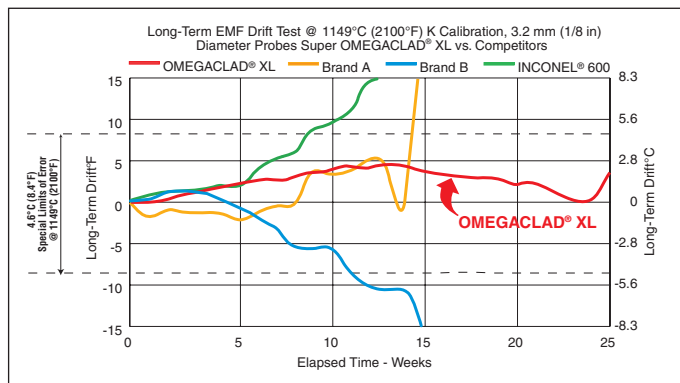
ANSI
color
code
shown

To order
IEC color
code see
page A-9

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

OMEGACAL™
Factory CAL
AVAILABLE
See Section I

MADE IN
USA



- ✓ Standard- and Miniature-Size Quick-Connect and Molded Transition Junction Probes
- ✓ Rugged Industrial Head Styles, Replacement Probes, and Utility Handle Probes
- ✓ All Standard Lengths Available—150, 300, 450 and 600 mm

All industrial head probe styles are available in **SUPER OMEGACLAD® XL** design! See pages A-135 to A-140.

For models with standard dimensions, see pages A-45 and A-46.

Metric Dimension—Industrial Head Probe Assemblies and Replacement Probes

MOST POPULAR MODELS HIGHLIGHTED!

Alloy/ANSI Color Code	Sheath Dia. mm	Model Number ANSI Color Code	300 mm Length		450 mm Length		Price/Add'l 150 mm
			G/E	U	G/E	U	
CHROMEPA®-ALOMEGA® XL Sheath K	1.5	NB(*)-CAXL-M15[*]-[**]	\$45.00	\$47.00	\$45.80	\$47.90	\$0.85
	3.0	NB(*)-CAXL-M30[*]-[**]	45.00	47.00	46.75	48.75	1.75
	4.5	NB(*)-CAXL-M45[*]-[**]	46.00	48.00	48.40	50.40	2.40
	6.0	NB(*)-CAXL-M60[*]-[**]	50.00	52.00	54.15	56.15	4.15
	8.0	NB(*)-CAXL-M80[*]-[**]	56.00	58.00	62.50	64.50	6.50
	9.5	NB(*)-CAXL-M95[*]-[**]	62.00	64.00	63.30	65.30	9.30
OMEGA-P®-OMEGA-N® XL Sheath N	1.5	NB(*)-NNXL-M15[*]-[**]	\$45.00	\$47.00	\$45.80	\$47.90	\$0.85
	3.0	NB(*)-NNXL-M30[*]-[**]	45.00	47.00	46.75	48.75	1.75
	4.5	NB(*)-NNXL-M45[*]-[**]	46.00	48.00	48.40	50.40	2.40
	6.0	NB(*)-NNXL-M60[*]-[**]	50.00	52.00	54.15	56.15	4.15
	8.0	NB(*)-NNXL-M80[*]-[**]	56.00	58.00	62.50	64.50	6.50
	9.5	NB(*)-NNXL-M95[*]-[**]	62.00	64.00	63.30	65.30	9.30

(*) Specify head style from pages A-135 to A-140: 1 (NB1), 2 (NB2), 3 (NB3), 4 (NB4), 5 (NB5), 6 (NB6), 7 (NB7), 8 (NB8), 9 (NB9), 10 (NB10), 11 (NB11), 12 (NB12). Note: NB4, 8, 10, 11 not offered with 9.5 mm diameter probes.

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

[**] Specify length in millimeters: 150 mm, 300 mm, 450 mm or 600 mm.

Ordering Example: NB1-CAXL-M60G-300 industrial head probe, NB1-style head, Type K (CHROMEPA®-ALOMEGA®) SUPER OMEGACLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, \$50.

To order a replacement probe for a head assembly, add "RP" to the part number and subtract \$14 from the price above.

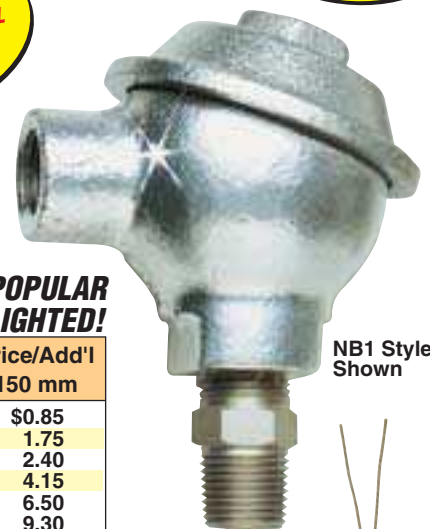
Ordering Example: NB1-CAXL-M60G-300-RP, industrial head replacement probe, for NB1-style head assembly, Type K (CHROMEPA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, \$36.

Metric Dimension—Utility Handle Probes

Alloy/ANSI Color Code	Sheath Dia. mm	Model Number ANSI Color Code	Junction Types				Price/Add'l 150 mm
			300 mm Length G/E U		450 mm Length G/E U		
CHROMEGA®-ALOMEGA® XL Sheath K	1.5	KHXL-M15[*]-RSC-[*]	\$36.00	\$43.00	\$36.80	\$43.80	\$0.85
	3.0	KHXL-M30[*]-RSC-[*]	37.00	44.00	38.60	45.60	1.75
	4.5	KHXL-M45[*]-RSC-[*]	39.00	42.00	41.20	44.20	2.40
	6.0	KHXL-M60[*]-RSC-[*]	41.00	43.00	44.80	47.80	4.15
	8.0	†KHXL-M80[*]-RSC-[*]	50.00	52.00	56.50	58.50	6.50
	9.5	†KHXL-M95[*]-RSC-[*]	55.00	57.00	64.30	66.30	9.30
OMEGA-P®-OMEGA-N® XL Sheath N	1.5	NHXL-M15[*]-RSC-[*]	\$36.00	\$43.00	\$36.80	\$43.80	\$0.85
	3.0	NHXL-M30[*]-RSC-[*]	37.00	44.00	38.60	45.60	1.75
	4.5	NHXL-M45[*]-RSC-[*]	39.00	42.00	41.20	47.80	2.40
	6.0	NHXL-M60[*]-RSC-[*]	41.00	43.00	44.80	58.50	4.15
	8.0	†NHXL-M80[*]-RSC-[*]	50.00	52.00	56.50	93.00	6.50
	9.5	†NHXL-M95[*]-RSC-[*]	55.00	57.00	64.30	66.00	9.30

[*] Specify junction type: **G** (Grounded), **E** (Exposed), **U** (Ungrounded) or **S** (Surface). [**] Specify length in millimeters: 150 mm, 300 mm, 450 mm, or 600 mm. Order standard part number with a suffix "PFA". Price: add \$20 to 300 mm (12") probes, \$25 to 450 mm (18") probes and \$30 to 600 mm (24") probes. 200°C (400°F) max. Note: These diameters will be assembled manually, not molded.

Ordering Example: KHXL-M60G-RSC-300, utility handle probe, Type K (CHROMEPA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, supplied with a miniature connector (SMP) termination, \$41.



NB1 Style Shown

Products shown smaller than actual size.



Junction Types

Grounded



Exposed



Ungrounded

