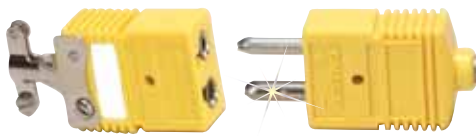


Super OMEGACLAD® XL Thermocouple Probes



A Technological Advance in Temperature Measurement

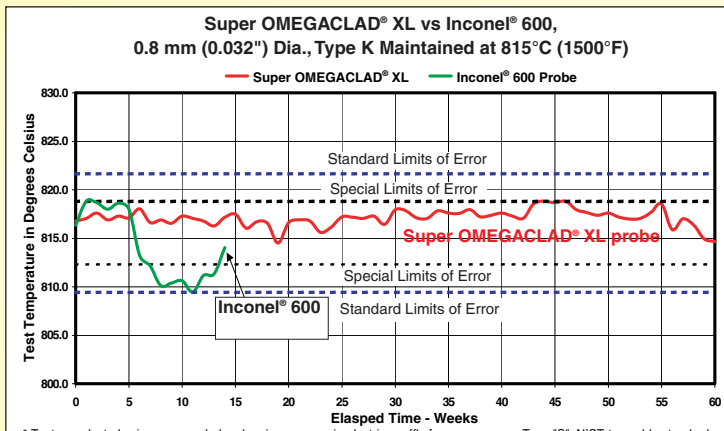
High Performance!



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

- **New Thermocouple Technology from OMEGA**
- **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)**

OMEGA 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.



* 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.

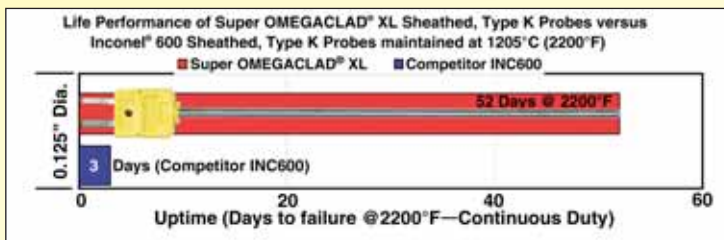
Small Size, Big Performance!

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!

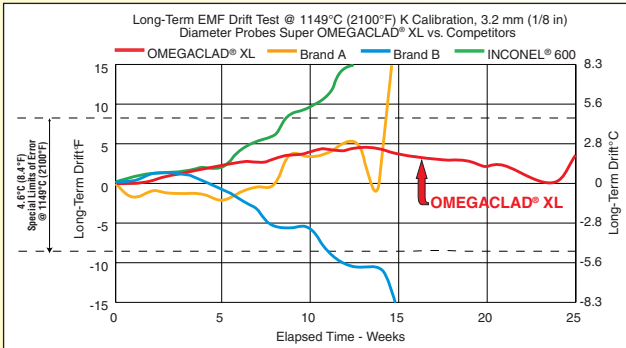
If your application operates at the punishing temperature of nearly 1204°C (2200°F), changing out failed thermocouples costs money in excessive maintenance, slows or cuts production, and can cause inconsistent product quality.

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 OMEGA's leading edge products help engineer **your next innovation!**



Low Drift, Reliable Temperatures!

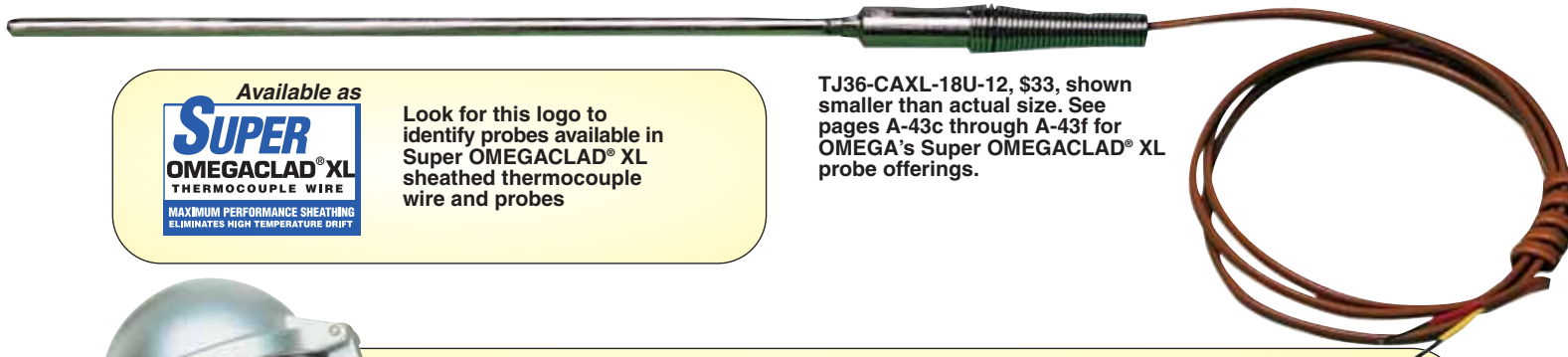
Super OMEGACLAD® XL's low-drift characteristic ensures reliability of temperature readings longer than any other brand or sheath material. Within 15 weeks, Brands A, B, and C exhibited more than 8.3°C drift. At 25 weeks, OMEGACLAD® XL's drift was less than 2.8°C.*



*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.



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



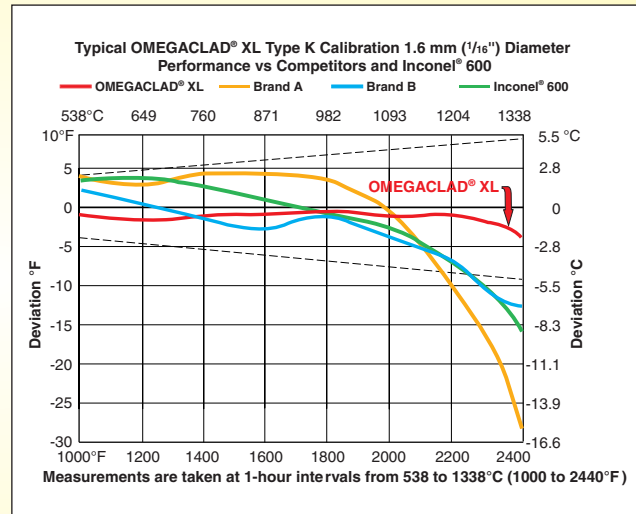
Look for this logo to identify probes available in Super OMEGACLAD® XL sheathed thermocouple wire and probes

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



A

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)



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

ANSI color code shown To order IEC color code see omega.com

ALL MODELS AVAILABLE FOR FAST DELIVERY!

Universal connector and clamp included

Standard Dimension—Quick-Connect Probes

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"
CHROMECLA®-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"
CHROMECLA®-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

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"	
CHROMECLA®-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	
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	
OMEGA-P®-OMEGA-N® XL Sheath N	1/16"	TJ36-NNXL-38[*]-[**]	50.00	52.00	59.00	61.00	9.30	
	MINIATURE TRANSITION JUNCTION PROBE			6"		12"		Add'l 6"
	CHROMECLA®-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	
OMEGA-P®-OMEGA-N® XL Sheath N	0.125"	KMTXL-125[*]-[**]	27.00	29.00	27.95	29.80	1.75	
	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	
OMEGA-P®-OMEGA-N® XL Sheath N	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 (CHROMECLA®-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 (CHROMECLA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12", \$38.

Dual Elements

The probes shown on this page are also available in our dual element configuration. Please contact the Sales Department at 1-800-TC-OMEGA for more details.

Miniature size

Both models include mating connector and cable clamp

Products shown smaller than actual size.

Standard size



Super OMEGACLAD® XL Probes

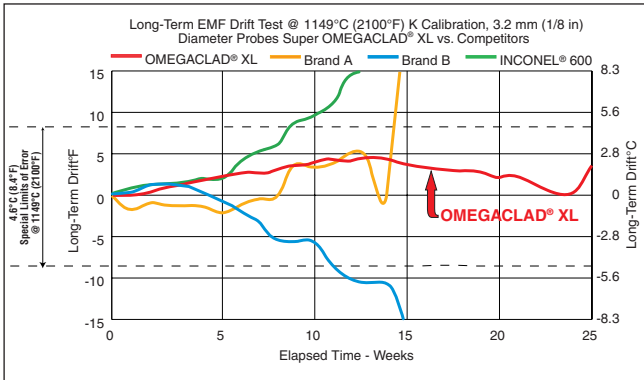
Available in Most Thermocouple Probe Styles and Designs with Standard Dimensions

ANSI color code shown
To order IEC color code see omega.com

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



- ✓ 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"



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

For models with metric dimensions, see pages A-43e and A-43f.



NB1 Style Shown

Products shown smaller than actual size.

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	
CHROMEQA®-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

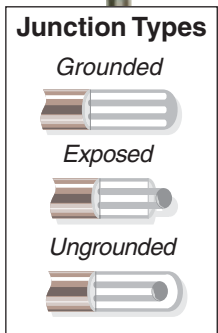
(*)Specify head style from pages A-135 to A-140: 1 (NB1), 2 (NB2), 3 (NB3), 4 (NB4), 5 (NB5), 6 (NB6), 7 (NB7), 8 (NB8), 9 (NB9), 10 (NB10), 11 (NB11), 12 (NB12). Note: NB4, 8, 10, 11 not offered with 3/8" Dia. probes
[*]Specify junction type: G (Grounded), E (Exposed), U (Ungrounded) or S (Surface).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

Ordering Example: NB1-CAXL-14G-12, industrial head probe, NB1-style head, Type K (CHROMEQA®-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 (CHROMEQA®-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"		
			G/E	U	G/E	U	
CHROMEQA®-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 (CHROMEQA®-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.

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)



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

ANSI color code shown
To order IEC color code see omega.com

Universal connector and cable clamp included

ALL MODELS AVAILABLE FOR FAST DELIVERY!

Metric Dimension—Quick-Connect Probes

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
CHROMEQA®-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
CHROMEQA®-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
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



Dual Elements

The probes shown on this page are also available in our dual element configuration. Please contact the Sales Department at 1-800-TC-OMEGA for more details.

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
CHROMEQA®-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
OMEGA-P®-OMEGA-N® XL Sheath N	9.5	TJ36-CAXL-M95[*]-[**]	50.00	52.00	59.00	61.00	9.30
	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	
CHROMEQA®-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
OMEGA-P®-OMEGA-N® XL Sheath N	3.0	KMTXL-M300[*]-[**]	27.00	29.00	27.95	29.80	1.75
	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 (CHROMEQA®-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 (CHROMEQA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, \$38.

Miniature size

Both models include mating connector with cable clamp

Shown smaller than actual size.

Standard size



Super OMEGA CLAD® XL Probes

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

ANSI color code shown
To order IEC color code see omega.com

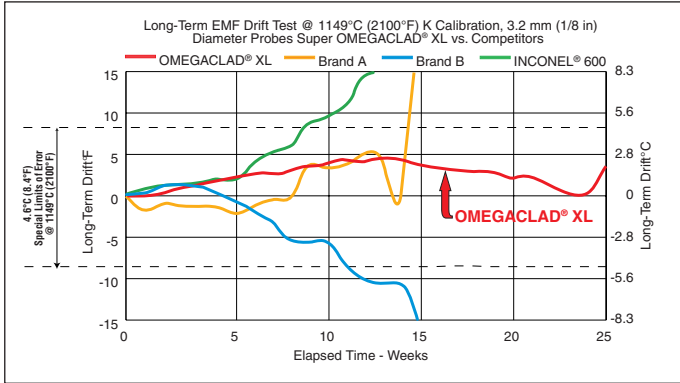
MEETS OR EXCEEDS SPECIAL LIMITS OF ERROR (SLE) AND EN 60584-2: Tolerance Class 1



- ✓ 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

For models with **standard dimensions**, see pages **A-43c** and **A-43d**.

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



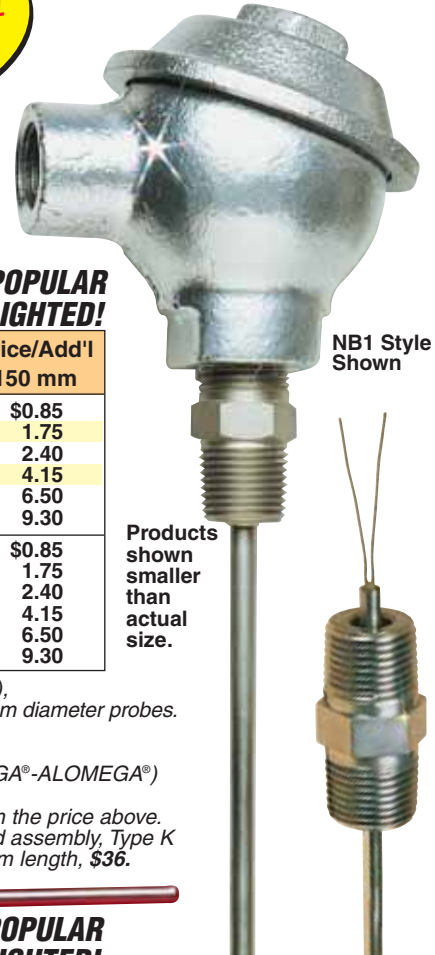
Metric Dimension—Industrial Head Probe Assemblies and Replacement Probes

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	
CHROMEGA®-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 NN	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.

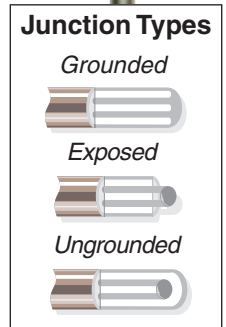
Ordering Example: **NB1-CAXL-M60G-300** industrial head probe, NB1-style head, Type K (CHROMEGA®-ALOMEGA®) SUPER OMEGA CLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, \$50.
 To order a replacement probe for a head assembly, add **-RP** to the part number and subtract \$14 from the price above.
 Ordering Example: **NB1-CAXL-M60G-300-RP**, industrial head replacement probe, for NB1-style head assembly, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGA CLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, \$36.



Metric Dimension—Utility Handle Probes

MOST POPULAR MODELS HIGHLIGHTED!

Alloy/ANSI Color Code	Sheath Dia. mm	Model Number ANSI Color Code	Junction Types				Price/Add'l 150 mm
			300 mm Length		450 mm Length		
			G/E	U	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. Note: These diameters will be assembled manually, not molded.
 Ordering Example: **KHXL-M60G-RSC-300**, utility handle probe, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGA CLAD® XL sheath, 6 mm OD, grounded junction, 300 mm length, supplied with a miniature connector (SMP) termination, \$41.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



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