

# Super OMEGACLAD® XL Probes

## Very Low Drift at High Temperatures

Super Accurate, Super Stable, Super Value—Standard Dimensions

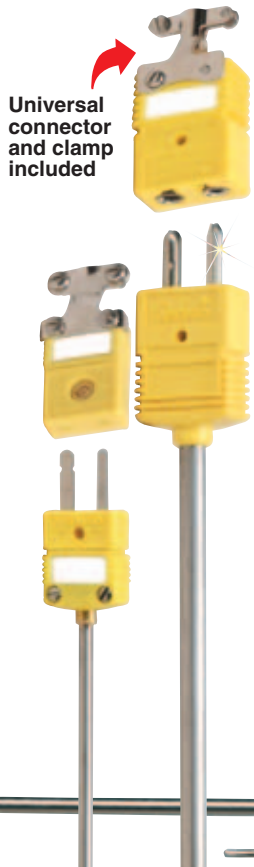
- For Use Up to 1335°C (2440°F)
- Excellent Long-Term Stability at High Temperatures
- Larger Diameter Available (Consult Sales)



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

ANSI color code shown To order IEC color code visit [omega.com](http://omega.com)

Universal connector and clamp included



### Standard Dimension—Quick-Connect Probes

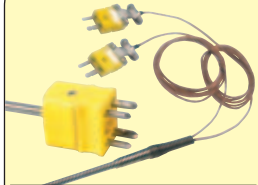
**MOST POPULAR MODELS HIGHLIGHTED!**

Alloy/ANSI Color Code	Sheath Dia. inches	Model Number ANSI Color Code	Junction Type				Price/Add'l
			12"		18"		
<b>MOLDED STANDARD CONNECTOR</b>							
CHROMEQA®-ALOMEGA® XL	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
Sheath	1/4"	KQXL-14[*]-[**]	30.00	33.80	33.80	37.80	4.15
OMEGA-P®-OMEGA-N® XL	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
Sheath	1/4"	NQXL-14[*]-[**]	30.00	33.80	33.80	37.80	4.15
<b>MINIATURE CONNECTOR</b>							
			6"		12"		Add'l 6"
CHROMEQA®-ALOMEGA® XL	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
Sheath	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	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
Sheath	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 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

### Standard Dimension—Transition Junction Probes

Alloy/ANSI Color Code	Sheath Dia. inches	Model Number ANSI Color Code	Junction Type				Price/Add'l
			12"		18"		
<b>HEAVY DUTY TRANSITION JUNCTION PROBE</b>							
CHROMEQA®-ALOMEGA® XL	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
Sheath	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	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
Sheath	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
<b>MINIATURE TRANSITION JUNCTION PROBE</b>							
			6"		12"		Add'l 6"
CHROMEQA®-ALOMEGA® XL	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
Sheath	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	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
Sheath	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. Stripped leads standard.

[\*]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 (CHROMEQA®-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 (CHROMEQA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12", \$38.

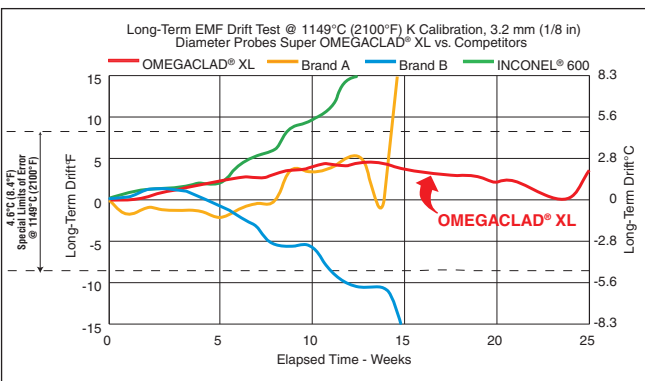
# Super OMEGACLAD® XL Probes

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

ANSI color code shown  
To order IEC color code visit [omega.com](http://omega.com)

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

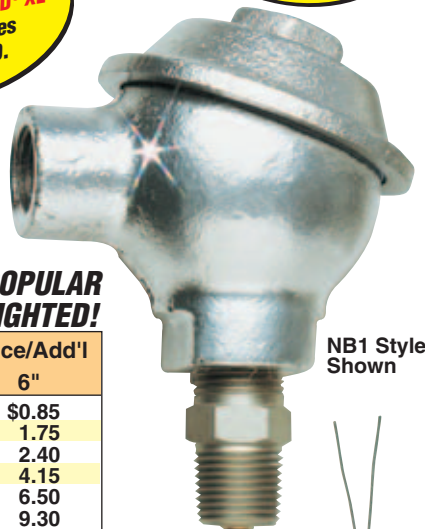
- ✓ Standard- and Miniature-Size Quick-Connect and Molded Transition Junction Probes
- ✓ Rugged Industrial Head Styles, Replacement Probes, and Utility Handle Probes
- ✓ All Standard Lengths Available—6, 12, 18, and 24"



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

PFA Coating Available. Consult Sales.

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



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 <b>K</b>	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 <b>N</b>	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

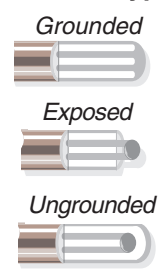
(\*) Specify head style from pages A-135 to A-140: 1 (NB1), 2 (NB2), 3 (NB3), 4 (NB4), 5 (NB5), 6 (NB6), 7 (NB7), 8 (NB8), 9 (NB9), 10 (NB10), 11 (NB11), 12 (NB12). Note: NB4, 8, 10, 11 not offered with 3/8" Dia. probes  
 [\*] Specify junction type: G (Grounded), E (Exposed), U (Ungrounded) or S (Surface).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

### Junction Types



[\*] 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.