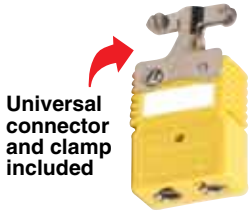
Super OMEGACLAD® XL Probes

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)

MADE IN USA

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

Standard Dimension—Quick-Connect Probes

To Order *Visit omega.com/kmqxl_nmqxl for Pricing and Details*

ANSI Color Code/Alloy	Sheath Dia. inches	Model Number ANSI Color Code
MOLDED STANDARD CONNECTOR		
K CHROMEGA®-ALOMEGA® XL Sheath	1/16 1/8 3/16 1/4	KQXL-116[*]-[**] KQXL-18[*]-[**] KQXL-316[*]-[**] KQXL-14[*]-[**]
N OMEGA-P®-OMEGA-N® XL Sheath	1/16 1/8 3/16 1/4	NQXL-116[*]-[**] NQXL-18[*]-[**] NQXL-316[*]-[**] NQXL-14[*]-[**]
MINIATURE CONNECTOR		
K CHROMEGA®-ALOMEGA® XL Sheath	0.010 0.020 0.032 0.040 0.062 0.125	KMQXL-010[*]-[**] KMQXL-020[*]-[**] KMQXL-032[*]-[**] KMQXL-040[*]-[**] KMQXL-062[*]-[**] KMQXL-125[*]-[**]
N OMEGA-P®-OMEGA-N® XL Sheath	0.020 0.032 0.040 0.062 0.125	NMQXL-020[*]-[**] NMQXL-032[*]-[**] NMQXL-040[*]-[**] NMQXL-062[*]-[**] NMQXL-125[*]-[**]

Standard Dimension—Transition Junction Probes

To Order *Visit omega.com/kmqxl_nmqxl for Pricing and Details*

ANSI Color Code/Alloy	Sheath Dia. (inches)	Model Number ANSI Color Code
HEAVY DUTY TRANSITION JUNCTION PROBE		
K CHROMEGA®-ALOMEGA® XL Sheath	1/16 1/8 3/16 1/4 5/16 3/8	TJ36-CAXL-116[*]-[**] TJ36-CAXL-18[*]-[**] TJ36-CAXL-316[*]-[**] TJ36-CAXL-14[*]-[**] TJ36-CAXL-516[*]-[**] TJ36-CAXL-38[*]-[**]
N OMEGA-P®-OMEGA-N® XL Sheath	1/16 1/8 3/16 1/4 5/16 3/8	TJ36-NNXL-116[*]-[**] TJ36-NNXL-18[*]-[**] TJ36-NNXL-316[*]-[**] TJ36-NNXL-14[*]-[**] TJ36-NNXL-516[*]-[**] TJ36-NNXL-38[*]-[**]
MINIATURE TRANSITION JUNCTION PROBE		
K CHROMEGA®-ALOMEGA® XL Sheath	0.010 0.020 0.032 0.040 0.062 0.125	KMTXL-010[*]-[**] KMTXL-020[*]-[**] KMTXL-032[*]-[**] KMTXL-040[*]-[**] KMTXL-062[*]-[**] KMTXL-125[*]-[**]
N OMEGA-P®-OMEGA-N® XL Sheath	0.020 0.032 0.040 0.062 0.125	NMTXL-020[*]-[**] NMTXL-032[*]-[**] NMTXL-040[*]-[**] NMTXL-062[*]-[**] NMTXL-125[*]-[**]

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".

*For a male straight M8 plug add **"M8-S-M"** to the model number and additional cost to the price, for a male straight M12 plug add **"M12-S-M"** to the model number and additional cost to the price. For a male right-angled M8 plug add **"M8-R-M"** to the model number and additional cost to the price, for a male right-angled M12 plug add **"M12-S-M"** to the model number and additional cost to the price.*

***Ordering Example for Quick-Connect Probes: KQXL-18U-12**, molded quick-connect probe, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/8" OD, ungrounded junction, 12".*
***Ordering Example for Transition Junction Probes: TJ36-CAXL-14G-12**, heavy-duty transition junction probe, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12".*

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 and shown smaller than actual size.

Standard size

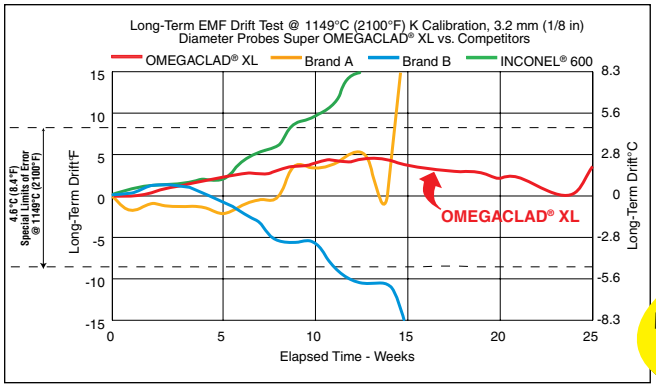
Super OMEGACLAD® XL Probes

Available in Most Thermocouple Probe Styles and Designs with Standard Dimensions

MADE IN USA

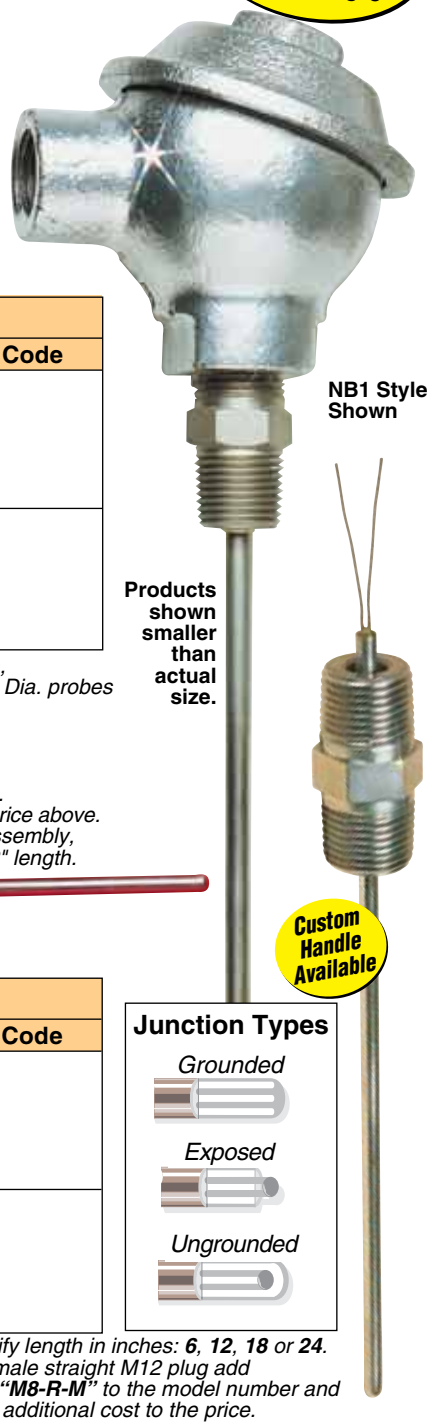
MEETS OR EXCEEDS SPECIAL LIMITS OF ERROR (SLE) AND EN 60584-2: Tolerance Class 1

- 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! Visit omega.com for Details.

For Models With Metric Dimensions, See Next Pages



NB1 Style Shown

Products shown smaller than actual size.

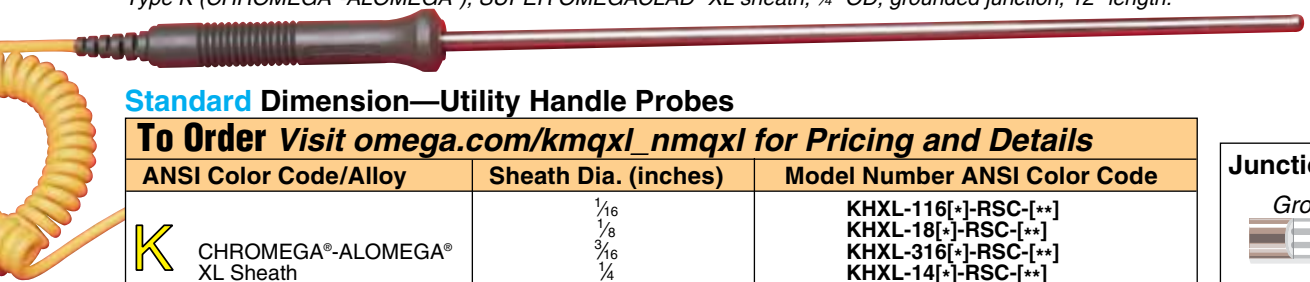
Custom Handle Available

Standard Dimension—Industrial Head Probe Assemblies and Replacement Probes

To Order *Visit omega.com/kmqxl_nmqxl for Pricing and Details*

ANSI Color Code/Alloy	Sheath Dia. (inches)	Model Number ANSI Color Code
K CHROMEGA®-ALOMEGA® XL Sheath	1/16 1/8 3/16 1/4 5/16 3/8	NB(*)-CAXL-116[*]-[**] NB(*)-CAXL-18[*]-[**] NB(*)-CAXL-316[*]-[**] NB(*)-CAXL-14[*]-[**] NB(*)-CAXL-516[*]-[**] NB(*)-CAXL-38[*]-[**]
N OMEGA-P®-OMEGA-N® XL Sheath	1/16 1/8 3/16 1/4 5/16 3/8	NB(*)-NNXL-116[*]-[**] NB(*)-NNXL-18[*]-[**] NB(*)-NNXL-316[*]-[**] NB(*)-NNXL-14[*]-[**] NB(*)-NNXL-516[*]-[**] NB(*)-NNXL-38[*]-[**]

(*) *Specify head style from pages A-131 to A-136: **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**.*
*Spring loaded designs available, add **"-SL"** to the model number, no additional charge.*
***Ordering Example: NB1-CAXL-14G-12**, industrial head probe, NB1-style head, Type K (CHROMEGA®-ALOMEGA®) SUPER OMEGACLAD® XL sheath, (1/4") OD, grounded junction,12" length.*
*To order a replacement probe for a head assembly, add **"-RP"** to the part number and subtract from the price above.*
***Ordering Example: NB1-CAXL-14G-12-RP**, industrial head replacement probe, for NB1-style head assembly, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12" length.*



Standard Dimension—Utility Handle Probes

To Order *Visit omega.com/kmqxl_nmqxl for Pricing and Details*

ANSI Color Code/Alloy	Sheath Dia. (inches)	Model Number ANSI Color Code
K CHROMEGA®-ALOMEGA® XL Sheath	1/16 1/8 3/16 1/4 5/16 3/8	KHXL-116[*]-RSC-[**] KHXL-18[*]-RSC-[**] KHXL-316[*]-RSC-[**] KHXL-14[*]-RSC-[**] †KHXL-516[*]-RSC-[**] †KHXL-38[*]-RSC-[**]
N OMEGA-P®-OMEGA-N® XL Sheath	1/16 1/8 3/16 1/4 5/16 3/8	NHXL-116[*]-RSC-[**] NHXL-18[*]-RSC-[**] NHXL-316[*]-RSC-[**] NHXL-14[*]-RSC-[**] †NHXL-516[*]-RSC-[**] †NHXL-38[*]-RSC-[**]

Junction Types

Grounded

Exposed

Ungrounded

[*] *Specify junction type: **"G"** (Grounded), **"E"** (Exposed), **"U"** (Ungrounded) or **"S"** (Surface). **[**]** Specify length in inches: **6**, **12**, **18** or **24**. For a male straight M8 plug add **"M8-S-M"** to the model number and additional cost to the price, for a male straight M12 plug add **"M12-S-M"** to the model number and additional cost to the price. For a male right-angled M8 plug add **"M8-R-M"** to the model number and additional cost to the price, for a male right-angled M12 plug add **"M12-S-M"** to the model number and additional cost to the price.*

***Ordering Example: KHXL-14G-RSC-12**, utility handle probe, Type K (CHROMEGA®-ALOMEGA®), SUPER OMEGACLAD® XL sheath, 1/4" OD, grounded junction, 12" length, supplied with a miniature connector (SMP) termination.*
***†Please Note:** These diameters will be manually assembled, not molded.*