

Low Noise Thermocouple

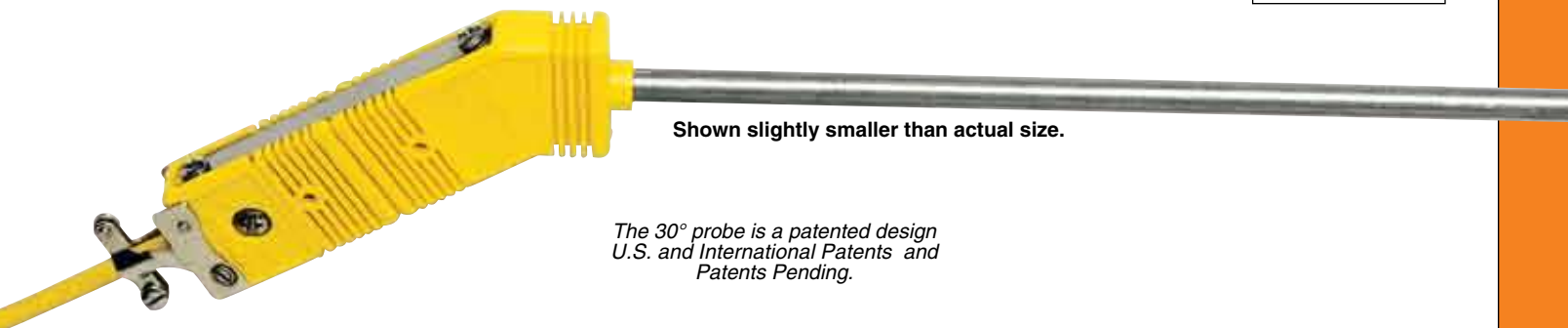
Probes with High Temperature Standard Size Connectors

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

Available as
SUPER
OMEGACLAD™ XL
THERMOCOUPLE PROBES

OMEGACAL
Factory CAL
AVAILABLE

MADE IN
USA



Shown slightly smaller than actual size.

*The 30° probe is a patented design
U.S. and International Patents and
Patents Pending.*



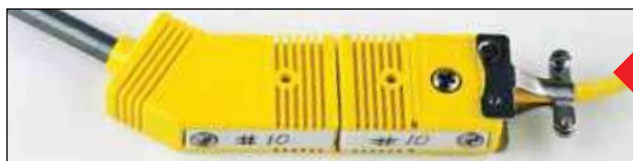
- ✓ **Connector Temperature Ratings: 260°C (500°F)**
- ✓ **Environmentally Friendly Cadmium-Free Liquid Crystal Polymer Material**
- ✓ **Mating Connector, Cable Clamp, Write-On Windows and Ground Strap Included!**
- ✓ **Ground Strap Connection Provides Protection Against Electrical Noise**
- ✓ **Ground Strap Provides Additional Mechanical Rigidity**
- ✓ **Write-on Area for Easy Identification**
- ✓ **Compatible with Standard Style Probes and Connectors**
- ✓ **Cal-5 Available**

The Write-On connector is a U.S. patented design.

The low noise thermo-couple probes and connectors maintain an electrical connection from the sheath of the probe, through the connectors, all the way to your instrumentation. This system assures high accuracy measurements, providing protection against electrical noise. The external strap maintains the electrical connection of the ground wire, and also strengthens the mechanical connection between the two connectors. The female connector features a handy write-on area, for easy identification.

Replacement Write-On Windows

Model No.	Description
WCP-L	GST connector face, 5 pack
WCP-GST	Connector/probe side, 5 pack

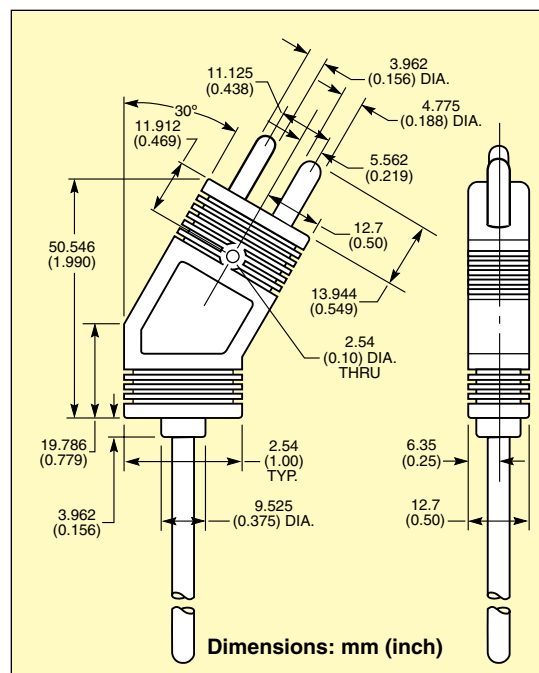


For applications not requiring the external ground strap, plastic write-on windows are included with each probe and connector to provide additional Write-On areas. Note: Windows cannot be used concurrently with ground straps. Mating connector 2 cable clamp provided free with all models.

Mating connector, clamps and locking clip provided free with all low noise probes.



Each connector pair includes a protective ground strap. Extra ground straps sold separately, Model GS-GST-10 (package of 10). Twisted/shielded wire is suggested for Low Noise Probes.



Low Noise High Temperature Probes

Standard Size Connectors

Standard Dimensions



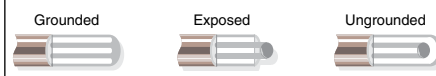
ANSI
color
code
shown



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

**More Probes with
Standard Connectors
Featured in this Section**

Junction Types



Mating connector, cable clamp
and additional hardware
included with all low noise probes.

Shown smaller
than actual size.



Cal-5 Available
Popular Size Probes
12", 18" and 24" Lengths†

Also Available with 310, 321 SS, or Super OMEGACLAD®
XL Sheath! See ordering suggestions below.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order Visit newportUS.com/HGQ_JKET for Pricing and Details

Thermocouple Alloy	Sheath Dia. inches	Model No. 12" Length	Model No. 18" Length	Model No. 24" Length
IRON-CONSTANTAN Inconel Sheath J	1/16	HGJQIN-116(*)-12	HGJQIN-116(*)-18	HGJQIN-116(*)-24
	1/8	HGJQIN-18(*)-12	HGJQIN-18(*)-18	HGJQIN-18(*)-24
	3/16	HGJQIN-316(*)-12	HGJQIN-316(*)-18	HGJQIN-316(*)-24
	1/4	HGJQIN-14(*)-12	HGJQIN-14(*)-18	HGJQIN-14(*)-24
IRON-CONSTANTAN 304 SS Sheath J	1/16	HGJQSS-116(*)-12	HGJQSS-116(*)-18	HGJQSS-116(*)-24
	1/8	HGJQSS-18(*)-12	HGJQSS-18(*)-18	HGJQSS-18(*)-24
	3/16	HGJQSS-316(*)-12	HGJQSS-316(*)-18	HGJQSS-316(*)-24
	1/4	HGJQSS-14(*)-12	HGJQSS-14(*)-18	HGJQSS-14(*)-24
CHROMEQA®-ALOMEGA® Inconel Sheath K	1/16	HGKQIN-116(*)-12	HGKQIN-116(*)-18	HGKQIN-116(*)-24
	1/8	HGKQIN-18(*)-12	HGKQIN-18(*)-18	HGKQIN-18(*)-24
	3/16	HGKQIN-316(*)-12	HGKQIN-316(*)-18	HGKQIN-316(*)-24
	1/4	HGKQIN-14(*)-12	HGKQIN-14(*)-18	HGKQIN-14(*)-24
CHROMEQA®-ALOMEGA® 304 SS Sheath K	1/16	HGKQSS-116(*)-12	HGKQSS-116(*)-18	HGKQSS-116(*)-24
	1/8	HGKQSS-18(*)-12	HGKQSS-18(*)-18	HGKQSS-18(*)-24
	3/16	HGKQSS-316(*)-12	HGKQSS-316(*)-18	HGKQSS-316(*)-24
	1/4	HGKQSS-14(*)-12	HGKQSS-14(*)-18	HGKQSS-14(*)-24
CHROMEQA®-CONSTANTAN Inconel Sheath E	1/16	HGEQIN-116(*)-12	HGEQIN-116(*)-18	HGEQIN-116(*)-24
	1/8	HGEQIN-18(*)-12	HGEQIN-18(*)-18	HGEQIN-18(*)-24
	3/16	HGEQIN-316(*)-12	HGEQIN-316(*)-18	HGEQIN-316(*)-24
	1/4	HGEQIN-14(*)-12	HGEQIN-14(*)-18	HGEQIN-14(*)-24
CHROMEQA®-CONSTANTAN 304 SS Sheath E	1/16	HGEQSS-116(*)-12	HGEQSS-116(*)-18	HGEQSS-116(*)-24
	1/8	HGEQSS-18(*)-12	HGEQSS-18(*)-18	HGEQSS-18(*)-24
	3/16	HGEQSS-316(*)-12	HGEQSS-316(*)-18	HGEQSS-316(*)-24
	1/4	HGEQSS-14(*)-12	HGEQSS-14(*)-18	HGEQSS-14(*)-24
COPPER-CONSTANTAN Inconel Sheath T	1/16	HGTQIN-116(*)-12	HGTQIN-116(*)-18	HGTQIN-116(*)-24
	1/8	HGTQIN-18(*)-12	HGTQIN-18(*)-18	HGTQIN-18(*)-24
	3/16	HGTQIN-316(*)-12	HGTQIN-316(*)-18	HGTQIN-316(*)-24
	1/4	HGTQIN-14(*)-12	HGTQIN-14(*)-18	HGTQIN-14(*)-24
COPPER-CONSTANTAN 304 SS Sheath T	1/16	HGTQSS-116(*)-12	HGTQSS-116(*)-18	HGTQSS-116(*)-24
	1/8	HGTQSS-18(*)-12	HGTQSS-18(*)-18	HGTQSS-18(*)-24
	3/16	HGTQSS-316(*)-12	HGTQSS-316(*)-18	HGTQSS-316(*)-24
	1/4	HGTQSS-14(*)-12*	HGTQSS-14(*)-18	HGTQSS-14(*)-24

*Specify junction type: "G" (Grounded), "E" (Exposed), or "U" (Ungrounded). No additional charge for lengths from 2 to 12".

†Other lengths available, IEC Colors available, consult Sales Department. Each probe supplied with mating connector, cable clamp, ground strap and locking clip. Extra ground straps, **GS-GST-10**, for additional cost.

To Order with **321 SS Sheath**, change 'SS' in model number to '321SS', no additional charge; Example: **HGKQ321SS-316G-12**.

To order Super OMEGACLAD®, change 'IN' to 'XL.'

Ordering Example: **HGKQSS-116U-12**, quick disconnect probe, type K, 304 SS sheath, 1/16" OD, ungrounded junction, 12" length.

Low Noise High Temperature Probes

Standard Size Connectors

Metric Dimensions

OMEGACAL[®]
Factory CAL
AVAILABLE

MADE IN
USA

ANSI
color
code
shown

SUPER
OMEGACLAD[®] XL
THERMOCOUPLE WIRE
MAXIMUM PERFORMANCE SHEATHING
ELIMINATES HIGH TEMPERATURE DRIFT

Available in Type K or Type N. Consult
Sales for Specifications and Pricing

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

Low Noise, Standard
Connectors Featured
in Section G

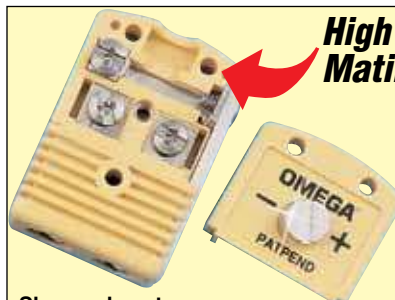
High Temperature Mating Connector Included!

The foolproof connector! Side and interior screws have combination heads, so you can use either a flathead or Phillips screwdriver. And, it's captive, so it won't fall out.

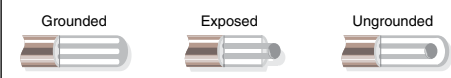
PATENTED

Covered by U.S. and International patents and pending applications

Shown close to actual size




Junction Types



Mating connector and cable clamp included with all low noise probes.

Cal-5 Available

Popular Size Probes
300, 450, and 600 mm Lengths[†]

Also Available with 310, 321 SS, or
Super OMEGACLAD[®] XL Sheath!
See ordering suggestions below.

To Order Visit newportUS.com/HGQ_JKET for Pricing and Details

Thermocouple Alloy	Sheath Dia. mm	Model No. 300 mm Length	Model No. 450 mm Length	Model No. 600 mm Length
IRON-CONSTANTAN Inconel Sheath J	1.5	HGJQIN-M15(*)-300	HGJQIN-M15(*)-450	HGJQIN-M15(*)-600
	3.0	HGJQIN-M30(*)-300	HGJQIN-M30(*)-450	HGJQIN-M30(*)-600
	4.5	HGJQIN-M45(*)-300	HGJQIN-M45(*)-450	HGJQIN-M45(*)-600
	6.0	HGJQIN-M60(*)-300	HGJQIN-M60(*)-450	HGJQIN-M60(*)-600
IRON-CONSTANTAN 304 SS Sheath J	1.5	HGJQSS-M15(*)-300	HGJQSS-M15(*)-450	HGJQSS-M15(*)-600
	3.0	HGJQSS-M30(*)-300	HGJQSS-M30(*)-450	HGJQSS-M30(*)-600
	4.5	HGJQSS-M45(*)-300	HGJQSS-M45(*)-450	HGJQSS-M45(*)-600
	6.0	HGJQSS-M60(*)-300	HGJQSS-M60(*)-450	HGJQSS-M60(*)-600
CHROMEGA [®] -ALOMEGA [®] Inconel Sheath K	1.5	HGKQIN-M15(*)-300	HGKQIN-M15(*)-450	HGKQIN-M15(*)-600
	3.0	HGKQIN-M30(*)-300	HGKQIN-M30(*)-450	HGKQIN-M30(*)-600
	4.5	HGKQIN-M45(*)-300	HGKQIN-M45(*)-450	HGKQIN-M45(*)-600
	6.0	HGKQIN-M60(*)-300	HGKQIN-M60(*)-450	HGKQIN-M60(*)-600
CHROMEGA [®] -ALOMEGA [®] 304 SS Sheath K	1.5	HGKQSS-M15(*)-300	HGKQSS-M15(*)-450	HGKQSS-M15(*)-600
	3.0	HGKQSS-M30(*)-300	HGKQSS-M30(*)-450	HGKQSS-M30(*)-600
	4.5	HGKQSS-M45(*)-300	HGKQSS-M45(*)-450	HGKQSS-M45(*)-600
	6.0	HGKQSS-M60(*)-300	HGKQSS-M60(*)-450	HGKQSS-M60(*)-600
CHROMEGA [®] -CONSTANTAN Inconel Sheath E	1.5	HGEQIN-M15(*)-300	HGEQIN-M15(*)-450	HGEQIN-M15(*)-600
	3.0	HGEQIN-M30(*)-300	HGEQIN-M30(*)-450	HGEQIN-M30(*)-600
	4.5	HGEQIN-M45(*)-300	HGEQIN-M45(*)-450	HGEQIN-M45(*)-600
	6.0	HGEQIN-M60(*)-300	HGEQIN-M60(*)-450	HGEQIN-M60(*)-600
CHROMEGA [®] -CONSTANTAN 304 SS Sheath E	1.5	HGEQSS-M15(*)-300	HGEQSS-M15(*)-450	HGEQSS-M15(*)-600
	3.0	HGEQSS-M30(*)-300	HGEQSS-M30(*)-450	HGEQSS-M30(*)-600
	4.5	HGEQSS-M45(*)-300	HGEQSS-M45(*)-450	HGEQSS-M45(*)-600
	6.0	HGEQSS-M60(*)-300	HGEQSS-M60(*)-450	HGEQSS-M60(*)-600
COPPER-CONSTANTAN Inconel Sheath T	1.5	HGTQIN-M15(*)-300	HGTQIN-M15(*)-450	HGTQIN-M15(*)-600
	3.0	HGTQIN-M30(*)-300	HGTQIN-M30(*)-450	HGTQIN-M30(*)-600
	4.5	HGTQIN-M45(*)-300	HGTQIN-M45(*)-450	HGTQIN-M45(*)-600
	6.0	HGTQIN-M60(*)-300	HGTQIN-M60(*)-450	HGTQIN-M60(*)-600
COPPER-CONSTANTAN 304 SS Sheath T	1.5	HGTQSS-M15(*)-300	HGTQSS-M15(*)-450	HGTQSS-M15(*)-600
	3.0	HGTQSS-M30(*)-300	HGTQSS-M30(*)-450	HGTQSS-M30(*)-600
	4.5	HGTQSS-M45(*)-300	HGTQSS-M45(*)-450	HGTQSS-M45(*)-600
	6.0	HGTQSS-M60(*)-300	HGTQSS-M60(*)-450	HGTQSS-M60(*)-600

*Specify junction type: "G" (Grounded), "E" (Exposed), or "U" (Ungrounded). No add'l charge for lengths from 2 to 12".

[†]Other lengths available, IEC Colors available, consult Sales Department. Each probe supplied with mating connector, cable clamp, ground strap and locking clip. Extra ground straps, **GS-GST-10**.

To order with 321 SS Sheath, change "SS" in model number to "321SS"; no additional charge; Example: **HGKQ321SS-316G-12**.

To order Super OMEGACLAD[®], change "IN" to "XL."

Ordering Example: **HGKQIN-M30U-300**, quick disconnect probe, Type K, Inconel sheath, 3.0 mm OD, ungrounded junction, 300 mm length.