

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
OMEGA CLAD™ XL
THERMOCOUPLE PROBES
MAXIMUM PERFORMANCE SHEATHING
ELIMINATES HIGH TEMPERATURE DRIFT
See omega.co.uk

MONOGRAM®



HGKQSS-IM60G-300, £22, shown slightly smaller than actual size.

The 30° probe is a patented design of OMEGA Engineering, Inc. U.S. and International patents and patents pending.

- ✓ Connector Temperature Rating to 260°C
- ✓ Environmentally Friendly, Cadmium-Free Liquid Crystal Polymer Material
- ✓ Mating Connector, Cable Clamp, Write-On Windows and Ground Strap Included
- ✓ Ground Strap Connection Protects Against Electrical Noise
- ✓ Ground Strap Provides Additional Mechanical Rigidity
- ✓ Write-On Area for Easy Identification
- ✓ Compatible with Standard-Style Probes and Connectors

The OMEGA® low-noise thermocouple probes and connectors maintain an electrical connection from the sheath of the probe, through the connectors, all the way to the user's instrumentation. This system ensures highly accurate measurements by protecting against electrical noise. The external strap maintains the electrical connection of the ground wire and strengthens the link between the 2 connectors. The female connector features a handy write-on area, for easy identification.



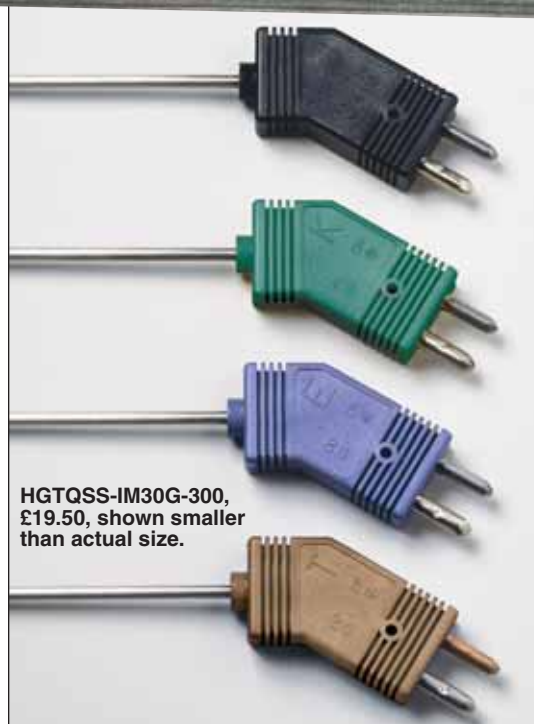
Mating connector, clamps and locking clip provided free with all low-noise probes.

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



The write-on connector is a U.S. patented design of OMEGA Engineering, Inc.

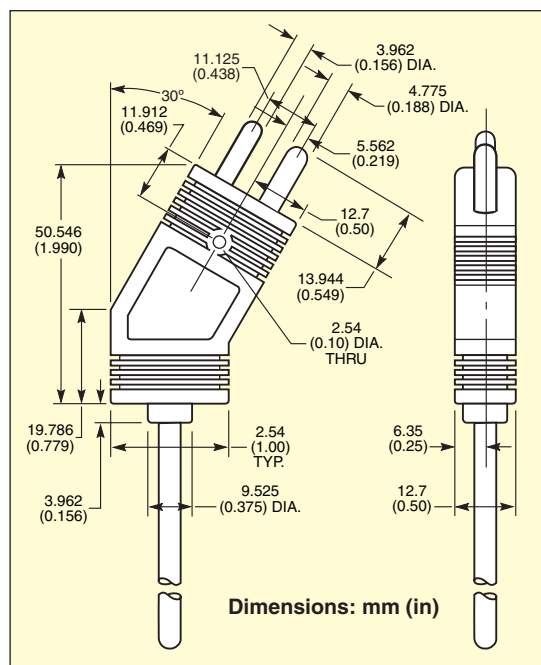
Each connector pair includes a protective ground strap. Extra ground straps sold separately, GS-GST-10 (package of 10), £1.85. Twisted/screened wire is suggested for low-noise probes.



HGTQSS-IM30G-300, £19.50, shown smaller than actual size.

Replacement Write-On Windows Sold in Packages of 5

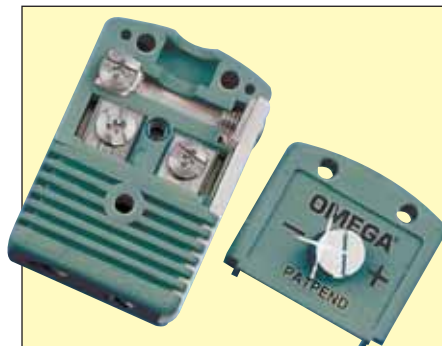
Model No.	Description	Price
WCP-L	GST connector face	£0.65
WCP-GST	Connector probe side	0.65



Low-Noise, High-Temperature Thermocouple Probes Standard-Size Connectors

**MEETS OR EXCEEDS
SPECIAL LIMITS
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**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



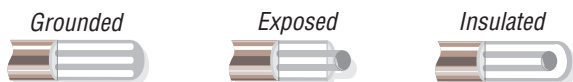
High-temperature mating connector included!

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.

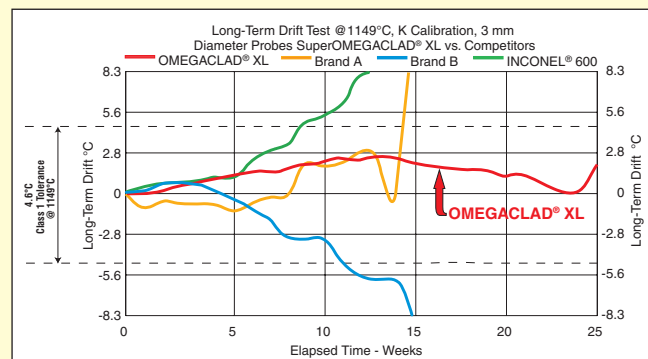
HGST-KI-F, £3.82, shown close to actual size.

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

Junction Types



Why Choose Super OMEGACLAD® XL?



Super OMEGACLAD® XL's low-drift characteristic ensures reliability of temperature readings longer than other brands and sheath materials. Within 15 weeks of continuous testing, high-performance probes from brands A and B, and a competitor's Inconel® 600 probe, exhibited more than 8.3°C drift. At 25 weeks, Super OMEGACLAD® XL's drift was less than 2.8°C.

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

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

**SUPER OMEGACLAD® XL
PROBES HIGHLIGHTED**

To Order (Specify Model Number)

Thermocouple Alloy	Sheath Dia. mm	Model No. 300 mm Length	Price		Model No. 450 mm Length	Price		Model No. 600 mm Length	Price		Price/Add'l 300 mm
			G*/E	U*		G*/E*	U*		G*/E*	U*	
CHROMEGA®-ALOMEGA® SS Sheath	1.5	HGKQSS-IM15(*)-300	£18.75	£22.00	HGKQSS-IM15(*)-450	£19.25	£22.75	HGKQSS-IM15(*)-600	£19.75	£23.00	£1.05
	3.0	HGKQSS-IM30(*)-300	19.50	22.00	HGKQSS-IM30(*)-450	21.00	23.00	HGKQSS-IM30(*)-600	20.75	23.25	1.25
	4.5	HGKQSS-IM45(*)-300	20.75	22.75	HGKQSS-IM45(*)-450	21.75	23.75	HGKQSS-IM45(*)-600	23.00	25.00	2.10
	6.0	HGKQSS-IM60(*)-300	22.00	24.00	HGKQSS-IM60(*)-450	23.75	26.00	HGKQSS-IM60(*)-600	25.50	27.50	3.40
CHROMEGA®-ALOMEGA® Inconel® Sheath	1.5	HGKQIN-IM15(*)-300	19.50	22.00	HGKQIN-IM15(*)-450	20.00	22.75	HGKQIN-IM15(*)-600	20.50	23.25	1.25
	3.0	HGKQIN-IM30(*)-300	20.00	22.00	HGKQIN-IM30(*)-450	21.25	23.25	HGKQIN-IM30(*)-600	22.25	24.25	1.70
	4.5	HGKQIN-IM45(*)-300	21.50	22.75	HGKQIN-IM45(*)-450	23.00	24.25	HGKQIN-IM45(*)-600	24.25	25.50	3.40
	6.0	HGKQIN-IM60(*)-300	22.00	24.75	HGKQIN-IM60(*)-450	23.75	26.00	HGKQIN-IM60(*)-600	27.00	30.00	5.00
CHROMEGA®-ALOMEGA® Super OMEGACLAD® XL	1.5	HGKQXL-IM15(*)-300	21.50	24.00	HGKQXL-IM15(*)-450	22.00	24.75	HGKQXL-IM15(*)-600	22.50	25.25	1.25
	3.0	HGKQXL-IM30(*)-300	22.00	24.00	HGKQXL-IM30(*)-450	23.25	25.25	HGKQXL-IM30(*)-600	24.25	26.25	2.50
	4.5	HGKQXL-IM45(*)-300	23.50	24.75	HGKQXL-IM45(*)-450	25.00	26.25	HGKQXL-IM45(*)-600	26.25	27.50	3.40
	6.0	HGKQXL-IM60(*)-300	24.00	26.75	HGKQXL-IM60(*)-450	25.75	28.00	HGKQXL-IM60(*)-600	29.00	32.00	5.60
COPPER-CONSTANTAN SS Sheath	1.5	HGTQSS-IM15(*)-300	18.75	22.00	HGTQSS-IM15(*)-450	19.25	22.75	HGTQSS-IM15(*)-600	19.75	23.00	1.05
	3.0	HGTQSS-IM30(*)-300	19.50	22.00	HGTQSS-IM30(*)-450	21.00	21.25	HGTQSS-IM30(*)-600	20.75	23.25	1.70
	4.5	HGTQSS-IM45(*)-300	20.75	22.75	HGTQSS-IM45(*)-450	21.75	23.75	HGTQSS-IM45(*)-600	23.00	25.00	2.10
	6.0	HGTQSS-IM60(*)-300	22.00	24.00	HGTQSS-IM60(*)-450	23.75	26.00	HGTQSS-IM60(*)-600	25.50	27.50	3.40
IRON-CONSTANTAN SS Sheath	1.5	HGJQSS-IM15(*)-300	18.75	22.75	HGJQSS-IM15(*)-450	19.25	22.75	HGJQSS-IM15(*)-600	19.75	23.00	1.05
	3.0	HGJQSS-IM30(*)-300	19.50	22.00	HGJQSS-IM30(*)-450	21.00	23.00	HGJQSS-IM30(*)-600	20.75	23.25	1.25
	4.5	HGJQSS-IM45(*)-300	20.75	22.75	HGJQSS-IM45(*)-450	21.75	23.75	HGJQSS-IM45(*)-600	23.00	25.00	2.10
	6.0	HGJQSS-IM60(*)-300	22.00	24.00	HGJQSS-IM60(*)-450	23.75	26.00	HGJQSS-IM60(*)-600	25.50	27.50	3.40
OMEGA-P®-OMEGA-N® Super OMEGACLAD® XL	1.5	HGNQXL-IM15(*)-300	21.50	24.00	HGNQXL-IM15(*)-450	22.00	24.75	HGNQXL-IM15(*)-600	22.50	25.25	1.25
	3.0	HGNQXL-IM30(*)-300	22.00	24.00	HGNQXL-IM30(*)-450	23.25	25.25	HGNQXL-IM30(*)-600	24.25	26.25	2.50
	4.5	HGNQXL-IM45(*)-300	23.50	24.75	HGNQXL-IM45(*)-450	25.00	26.25	HGNQXL-IM45(*)-600	26.25	27.50	3.40
	6.0	HGNQXL-IM60(*)-300	24.00	26.00	HGNQXL-IM60(*)-450	25.75	28.00	HGNQXL-IM60(*)-600	29.00	32.00	5.60

* Specify junction type: **G** (Grounded), **E** (Exposed) or **U** (Insulated). No additional charge for lengths from 50 to 300 mm.

[†] Other lengths available; consult Sales Department. Each probe supplied with mating connector, cable clamp, ground strap and locking clip. Extra ground straps, **GS-GST-10, £1.85/pkg of 10**. Type **E** thermocouples are available in stainless steel and Inconel®; specify "**HGEQSS-**" and "**HGEQIN-**", respectively.

Ordering Example: HGKQIN-IM30U-300, quick-disconnect probe, Type K, Inconel® sheath, 3.0 mm OD, insulated junction, 300 mm length, £22.



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