

Low-Noise, High-Temperature Miniature Connectors

GMP Glass-Filled Nylon Rated -29 to 220°C (-20 to 425°F)

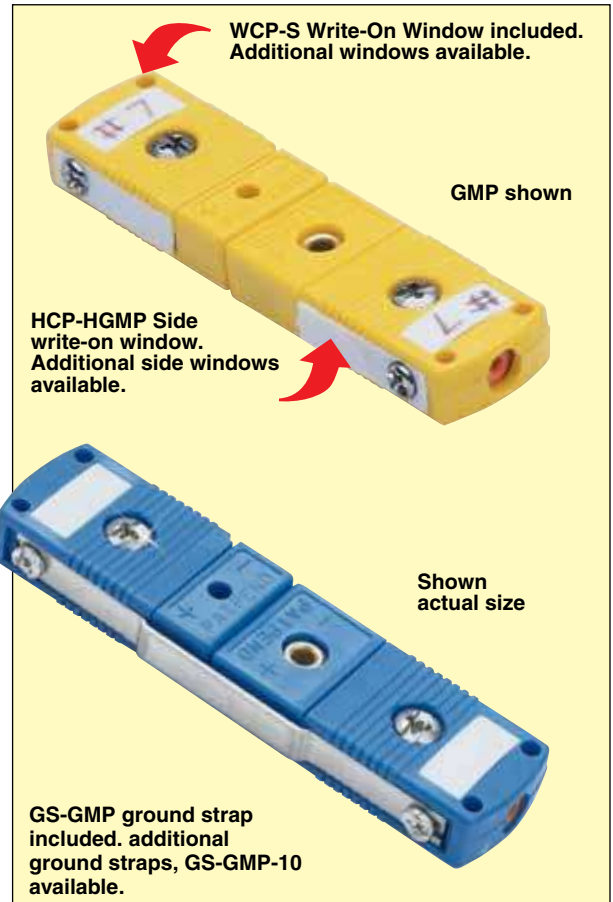
HGMP Liquid Crystal Polymer Rated -29 to 260°C (-20 to 500°F)

HGMP and GMP Series

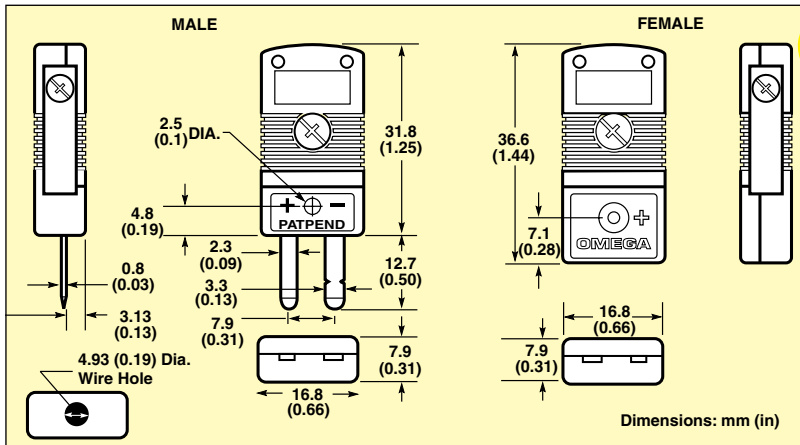


- ✓ Connector Ground Protects Against Electrical Noise Errors
- ✓ Write-On Window for Easy Identification
- ✓ Superior Mechanical Connection Prevents Signal Loss Due to Vibration or Wire Movement
- ✓ High-Purity Thermocouple Alloy Pins and Sockets
- ✓ Accepts Stranded or Solid Wire Up to Size 20 AWG

The GMP and HGMP miniature low-noise connectors are designed to provide easy connection of ground wires to probes and extension wires. The drain wire of a 20 AWG twisted shield cable or the shield of the overbraided wire is crimped and held in place by their internal hardware. They have excellent thermal and electrical characteristics to assure high accuracy. Each connector includes write-on windows for front and side, and an external ground strap to maintain the electrical connection of the ground wire and strengthen the mechanical link between connectors.



Please visit newportUS.com/exgg-2cu_3cu_wire for EXPP Series twisted and shielded thermocouple wire.

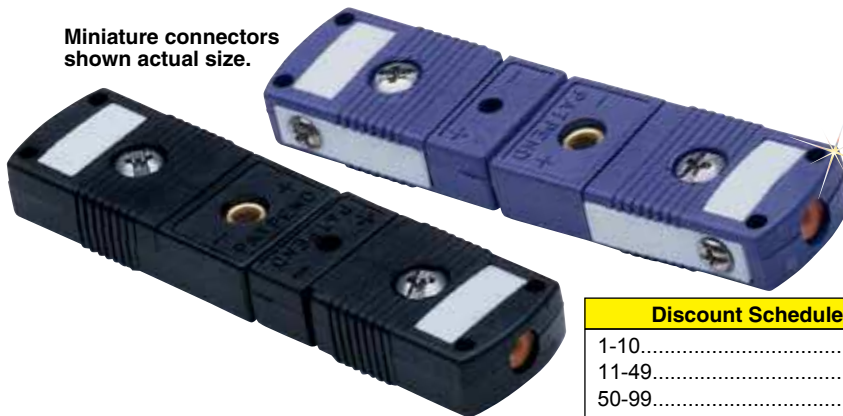


Free Hardware Included with All Male Connections

Crimp Style Brass and Stainless Steel Bushing

Available in sizes to fit 0.020 to 0.125" and 1.5 and 3.0 mm diameter probes. See newportUS.com

Miniature connectors shown actual size.



Also Available!

Transmitters and Ferrite Cores for EMI Protection

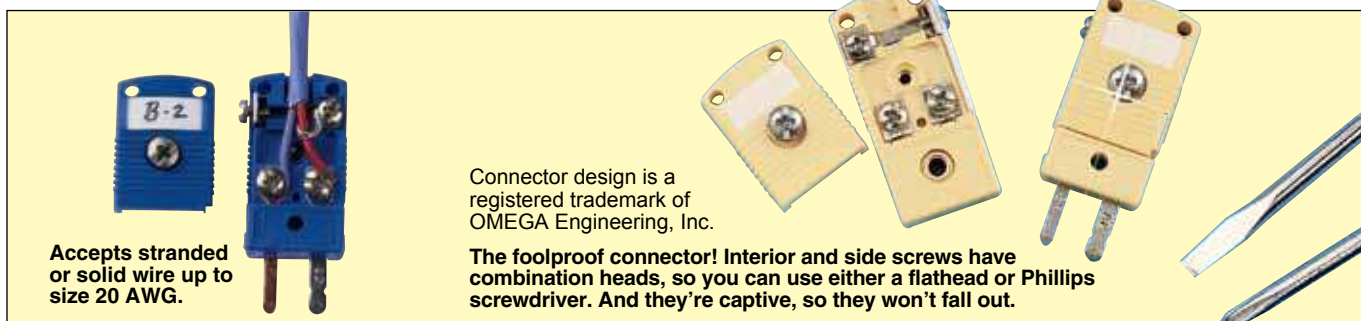
STCTX built-in 4 to 20 mA transmitter. Visit newportUS.com/sprtx-stctx

PATENTED



PCLM-SMP-FT cable clamp with ferrite core for EMI protection, connector sold separately.

Discount Schedule	
1-10.....	Net
11-49.....	5%
50-99.....	10%
100-999.....	15%
1000-4999.....	20%
5000 and over.....	25%



Connector design is a registered trademark of OMEGA Engineering, Inc.

The foolproof connector! Interior and side screws have combination heads, so you can use either a flathead or Phillips screwdriver. And they're captive, so they won't fall out.

Accepts stranded or solid wire up to size 20 AWG.

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

Alloy Code†	Type Thermocouple Used With Connector	Compensating Alloy Used in Connector		Shell Color	Model Number
		+	-		
K	CHr OMEGA®-AI OMEGA®	CHr OMEGA®	AI OMEGA®	Yellow	GMP-K-(*)
T	Copper-Constantan	Copper	Constantan	Blue	GMP-T-(*)
J	Iron-Constantan	Iron	Constantan	Black	GMP-J-(*)
E	CHr OMEGA®-Constantan	CHr OMEGA®	Constantan	Purple	GMP-E-(*)
R/S	Pt/13%r h-Pt	Copper	Alloy #11	Green	GMP-R/S-(*)
C	W/5% r e-W/26%r e	CPX	CNX	red	GMP-C-(*)
U	Uncompensated	Copper	Copper	White	GMP-U-(*)
N	OMEGAll OY®	OMEGA-P®	OMEGA-N®	Orange	GMP-N-(*)
K	CHr OMEGA®-AI OMEGA®	CHr OMEGA®	AI OMEGA®	Yellow	HGMP-K-(*)
T	Copper-Constantan	Copper	Constantan	Blue	HGMP-T-(*)
J	Iron-Constantan	Iron	Constantan	Black	HGMP-J-(*)
E	CHr OMEGA®-Constantan	CHr OMEGA®	Constantan	Purple	HGMP-E-(*)
R/S	Pt/13%r h-Pt	Copper	r NX/SNX	Green	HGMP-R/S-(*)
C	W/5% r e-W/26%r e	CPX	CNX	red	HGMP-C-(*)
U	Uncompensated	Copper	Copper	White	HGMP-U-(*)
N	OMEGAll OY®	OMEGA-P®	OMEGA-N®	Orange	HGMP-N-(*)

Accessories

Model No.	Description
HCP-S	Write-on window for HGMP connector face
WCP-S	replaceable write-on windows for GMP connector face
HCP-HGMP	Write-on window for HGMP connector side
WCP-GMP	replaceable write-on insert for GMP connector side
GS-GMP-10	Ground straps

Note: Each connector is supplied with a write-on window for the face and side. The ground strap replaces the side window and maintains the electrical connection through the connector.

*To order, specify “MF” for connector pair, “M” for male connector only, or “F” for female connector only.
 †J, K, T, E, R, S and B are ANSI designations. OMEGALLOY® is generically known as Nicrosil-Nisil. ANSI color models shown.
Note: Type U (uncompensated) connector bodies are used with Type B thermocouples (Pt/6%Rh-Pt/30%Rh).
Ordering Examples: **GMP-K-MF**, glass filled nylon, Type K calibration, connector pair. **HGMP-J-M**, high-temp, low-noise, Type J calibration, male connector, **HGMP-K-F**, high-temp, low-noise, Type K calibration, female connector.