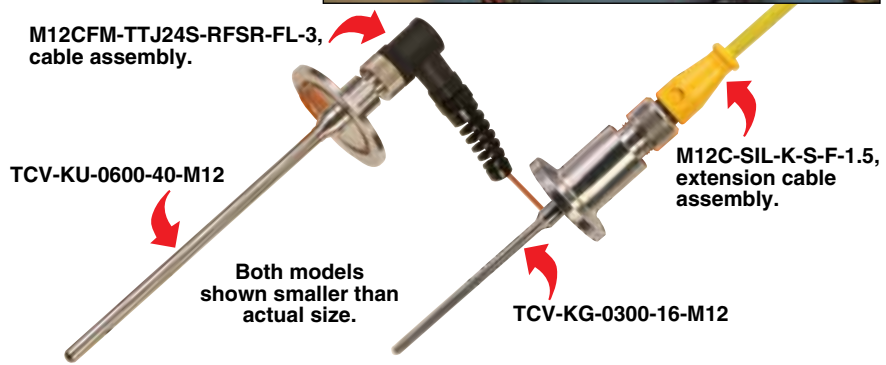


Vacuum Thermocouple Assemblies

KF Style Flange with M12 Connector

TCV-M12 Series

- ✓ ISO 2861 KF Fittings Standard Size #10, #16, #25 and #40
- ✓ #10 and #16 Flanged Sensors Have 1/8" Diameter Probe
- ✓ #25 and #40 Flanged Sensors Have 1/4" Diameter Probes
- ✓ M12 Connector with Thermocouple Pins
- ✓ 304 Stainless Steel Construction
- ✓ Grounded or Ungrounded Type K, T, and E Thermocouples are Special Limits of Error
- ✓ Single or Dual Thermocouple Construction Optional
- ✓ Probe Length Optional*



The OMEGA® TCV Series thermocouple probe assemblies are available in standard lengths of 3, 6, and 12" with a grounded or ungrounded thermocouple junction at the tip. Standard probes are available in K, T and E calibrations.

* Please call sales for available options including special probe lengths.

Mounting Flange Guide		
Size	A Dia mm (inch)	B Dia mm (inch)
#10	30 (1.18)	12.2 (.48)
#16	30 (1.18)	17.2 (.68)
#25	40 (1.57)	26.2 (1.03)
#40	50 (1.97)	41.2 (1.62)

Unsure of your flange size, verify it by using this size chart.

Thermocouple Specifications

Thermocouple Type	Temperature Range at Tip °C (°F)	Accuracy (Above 0°C)
K	-200 to 900 (-328 to 1652)	2.2°C or 0.75 whichever is greater
E	-200 to 900 (-328 to 1652)	1.7°C or 0.5 whichever is greater
T	-200 to 400 (-328 to 752)	1.0°C or 0.75 whichever is greater

To Order

Model No.	KF Flange	Thermocouple Type	Sheath Diameter
TCV-(*)-(**)-(***)-10-M12	#10	K, T or E	1/8"
TCV-(*)-(**)-(***)-16-M12	#16	K, T or E	1/8"
TCV-(*)-(**)-(***)-25-M12	#25	K, T or E	1/4"
TCV-(*)-(**)-(***)-40-M12	#40	K, T or E	1/4"

(*) = Specify Type ("K", "T" or "E" thermocouple).
 (**) = Specify junction style ("G" = grounded, "U" = ungrounded).
 (***) = Specify the probe length in inches ("0300" = 3", "0600" = 6", "0950" = 9 1/2", "1200" = 12").
 For lengths between those shown, indicate the required length as shown above and select the next longer length price. For lengths greater than 12", add the additional cost per inch to the 12" price.
Ordering Examples: TCV-KU-0600-16-M12, Type K ungrounded thermocouple with 1/8" diameter probe and #16 flange with M12 connector.
 TCV-TG-0950-40-M12, Type T grounded thermocouple with 1/4" diameter probe and #40 flange with M12 connector.