Vacuum Thermocouple
Sensors
With KF Style Flanges
and Integral Cables

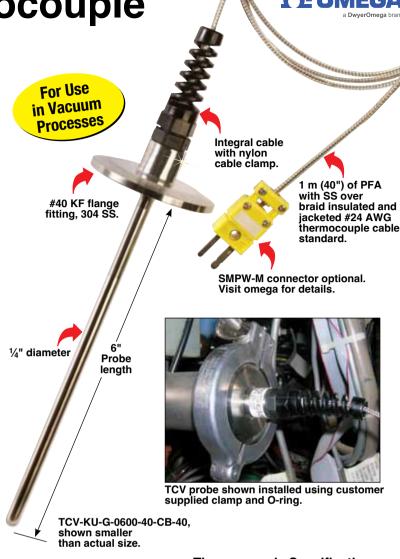
For Use
in Vacuum
Integral Sesses

**TCV-CB Series** 



- ✓ ISO 2861 Fitting Standard 25, and #40
- ✓ 1 m (40 ") PFA Insulated Cable with SS Overbraid and Strain Relief
- ✓ 304 SS Construction
- Grounded and Ungrounded K, T or E Thermocouple, Special Limits of Error
- Optional Probe and Cable Lengths

The OMEGA® TCV-CB style thermocouples can be installed into an existing KF style flanged connection. #25 and #40 flanged sensors are provided with ¼" diameter probes. These sensors are available with 3", 6" and 12" standard lengths and ungrounded junctions. Special Limits of Error (SLE) Type K, T and E calibrations, and 304 stainless steel sheaths and flanges. Cables are #24AWG stranded thermocouple wires with PFA Insulation, PFA jacket and stainless steel overbraid and SMPW connector. Please consult sales for other probe lengths, cable lengths, grounded junctions or other options.



## Thermocouple Specifications

Thermocouple Type	Temp 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-(*)(**)-(***)-25-CB-40	#25	K, T or E	1/4 "
TCV-(*)(**)-(***)-40-CB-40	#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" = 9½", "1200" = 12")

For lengths between those shown, indicate the required length as shown above (additional costs apply).

For longer or shorter cable lengths, change "-40" to length in inches (additional costs apply).

Ordering Examples: TCV-KU-0600-25-CB-40, Type K ungrounded thermocouple with 1/4" diameter probe and #25 flange with 40" of cable and SMPW connector.

**TCV-TG-0950-40-CB-240**, Type T grounded thermocouple with  $V_4$ " diameter probe and #40 flange with 240" of cable and **SMPW** connector.



