Universal Thermocouple Connector
Direct USB to PC Connection

UTC-USB

1 YEAR WARRANTY

Includes 1.8 m (6')
USB cable.

Shown actual size.

✔ **For J, K, T, E, R, S, B, C and N Thermocouples**
✔ **Built-In Cold Junction Compensation and Linearization**
✔ **Accepts Both Standard and Miniature Connectors**
✔ **Includes Free TRH Central Software for Display, Data Logging and Chart Recording**
✔ **RoHS 2 Compliant**

The UTC-USB universal thermocouple connector accepts the signal from any of 8 thermocouple types, and lets you display actual temperature readings on your PC, through a standard USB port. The UTC-USB provides automatic cold junction compensation and linearization; the free downloadable software lets you select the thermo-couple type and units, and then use your PC as a meter, chart recorder or data logger.

The UTC-USB features OMEGA's universal input connection, so you can quickly attach both standard and miniature size thermocouple connectors. A standard USB cable is included for fast hook-up to your PC.

Measurement Resolution:
1°C (1°F)

Cold Junction Compensation (Automatic): -10 to 70°C (14 to 158°F)

Thermocouple Connection: Patented universal female accepts both standard or miniature male connector

USB Connection: Version 1.0, 1.1 and 2.0 compatible; mini-B connector; 1.8 m (6') cable included

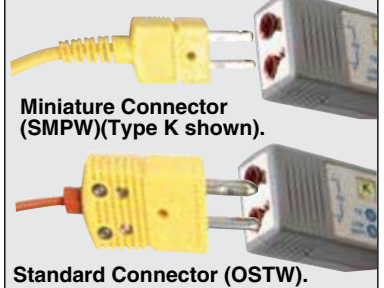**Operating Environment:** -10 to 70°C (14 to 158°F)

Computer Interface: USB (one interface cable included with receiver)

Software (Free Download from OMEGA): Requires Windows® 2000, XP, VISTA (32-bit) or Windows 7 (32-bit)

Dimensions: 76 L x 25.4 W x 13 mm H (3 x 1 x 0.5")

Enclosure: Plastic (glass filled nylon)

Laptop not included.

Shown smaller than actual size.

Miniature Connector (SMPW)(Type K shown).

Standard Connector (OSTW).

Specifications
Thermocouple (TC) Input
User Selectable: J, K, T, E, R, S, B, C or N

Measurement Accuracy:
Type J, K: ±0.5% of reading or ±1.0°C (1.8°F), whichever is greater
Type T, E, N: ±0.5% of reading or ±2.0°C (3.6°F), whichever is greater
Type R, S, B, C: ±0.5% of full scale

Type	Range, °C	Range, °F	Accuracy
J	-100 to 760°C	-148 to 1400°F	±0.5% rdg or ±1°C (1.8°F)*
K	-100 to 1260°C	-148 to 2300°F	±0.5% rdg or ±1°C (1.8°F)*
T	-200 to 400°C	-328 to 752°F	±0.5% rdg or ±2°C (3.6°F)*
E	-200 to 1000°C	-328 to 1832°F	±0.5% rdg or ±2°C (3.6°F)*
R	260 to 1760°C	500 to 3200°F	±0.5% FS
S	260 to 1760°C	500 to 3200°F	±0.5% FS
B	870 to 1820°C	1598 to 3308°F	±0.5% FS
C	0 to 2315°C	32 to 4199°F	±0.5% FS
N	-100 to 1260°C	-148 to 2300°F	±0.5% rdg or ±2°C (3.6°F)*

* Whichever is greater.

Free Thermocouple Included!
Each connector includes a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy.
Order a Spare!
Model No. **SC-GG-K-30-36**, (subminiature connector).
Model No. **LSC-GG-K-24-36**, (standard connector).

To Order	
Model No.	**Description**
UTC-USB	Universal thermocouple connector with USB connection
UWTC-CABLE	Replacement USB cable, 1.8 m (6')
SC-GG-K-30-36	Spare Type-K beaded wire thermocouple with subminiature connector

Comes complete with USB cable, and a Type K beaded wire thermocouple.
Free TRH central software available for download from OMEGA.
***Ordering Example: UTC-USB,** universal thermocouple connector with USB connection.*