Thermocouple Input Signal Conditioning Module

For OM-SGD Series Smart Graphics Displays

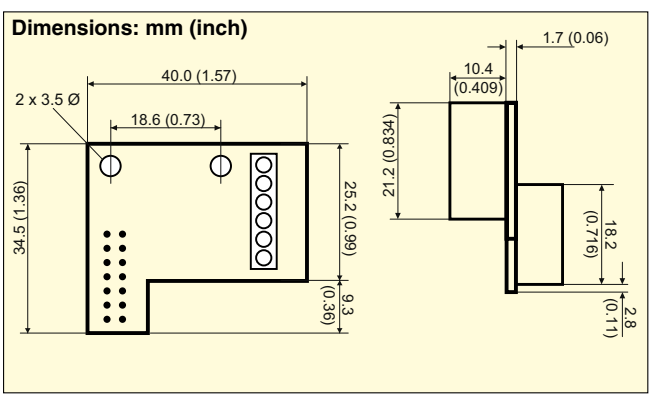
OM-SGD-ADPT-TC

1 YEAR WARRANTY

OM-SGD-ADPT-TC, thermocouple adapter shown mounted on OM-SGD-24-M graphics display (sold separately). Shown smaller than actual size.

- **Mounts Directly on the Back of Compatible OM-SGD Series Smart Graphics Displays**
- **Accepts Type J, K or T Thermocouple (User-Selectable via PC Software)**
- **Powered from the OM-SGD Series Display**
- **Configurable High and Low Alarms**

The OM-SGD-ADPT-TC is an add-on signal conditioning module that interfaces directly to an OM-SGD Series Smart Graphics Display. It has built-in cold junction compensation (CJC) and is powered directly from the host OM-SGD Series meter. Simply connect the 14-way connector IDC socket on the signal conditioning module to the OM-SGD Series meter. The thermocouple is wired to the TC+ (green) and TC- (white) via the screw terminal block. The system can also be powered via the USB port on the OM-SGD Series meter.



Specifications

Compatible OM-SGD Series Displays: OM-SGD-24-M, OM-SGD-24-M-420, OM-SGD-28-M, OM-SGD-28-M-420, OM-SGD-35-M, OM-SGD-35-M-420. The thermocouple add-on board is not compatible with the OM-SGD Series water proof versions (OM-SGD-24-M-IP, OM-SGD-24-M-IP420)

Operating Temperature Range (Module Only): -10 to 40°C (14 to 104°F)

Power: The OM-SGD-ADPT-TC module is powered by the host OM-SDG Series meter

Weight: 28 g (1 oz)

Rear view. Front view.

OM-SGD-ADPT-TC, thermocouple adapter shown with OM-SGD-24-M (sold separately). Shown smaller than actual size.

Thermocouple Input Types and Ranges

Thermocouple Type	Range	Resolution	Accuracy*
J	-200 to 1190°C (-328 to 2174°F)	0.1°C (0.1°F)	±1.0°C (±2.0°F)
K	-200 to 1350°C (-328 to 2462°F)	0.1°C (0.1°F)	±1.0°C (±2.0°F)
T	-200 to 390°C (-328 to 734°F)	0.1°C (0.1°F)	±1.0°C (±2.0°F)

**Accuracy is for the module only and excludes the thermocouple probe.*

To Order

Model No.	Description
OM-SGD-ADPT-TC	Thermocouple input signal conditioning module for OM-SGD Series smart graphics displays