

Temptran™ Calibration & Accessories

Special high-accuracy calibration

Standard transmitters can be calibrated to the nominal resistance values of the RTD at the zero and span points. Total system error includes the tolerance of both the transmitter and the RTD sensor. If you order Minco Temptrons calibrated to the actual resistance of the RTD (traceable to NIST), this effectively eliminates the sensor tolerance from the system accuracy specifications.

Temptrons match calibrated to a sensor are always ordered as assemblies. Common examples are shown in Section 2.

Free NIST traceability

With each matched sensor/transmitter set, Minco sends you calibration data traceable to the National Institute of Standards & Technology. This helps your process comply with ISO 9001 and other quality standards.

Recalibration

Minco prints RTD resistance values right on the Temptran label to simplify recalibration. You simply connect a resistance decade box or “RTD simulator” in place of the RTD, dial in the correct values, and adjust zero and span.

Because Minco platinum RTDs are extremely stable in typical installations (0.1°C or better), you can trust the printed values for many years.

MINCO MPLS. MIN USA	MODEL	TEMPTRAN™		
	D/C: 9614			
	100 OHM PLATINUM RTD			
	4mA=	20.0°F=	-6.7°C=	97.932Ω
	20mA=	120.0°F=	48.9°C=	118.969Ω

RTD resistances are printed on Temptran labels for easy recalibration of zero and span. A standard Temptran shows nominal values.

MINCO MPLS. MIN USA	MODEL	TEMPTRAN™		
	D/C: 9614 S/N: 103			
	100 OHM PLATINUM RTD			
	4mA=	20.0°F=	-6.7°C=	97.427Ω
	20mA=	120.0°F=	48.9°C=	118.988Ω

A specially calibrated Temptran shows actual resistance of the serialized, connected RTD.

Temptran Accessories

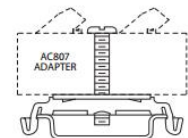
DIN rail mounting

For easy installation in instrument cabinets. Adapters fit all Temptran models. Specify length when ordering rails.

Model	Description
AC805	DIN EN50022 Rail
AC807	Adapter for EN50022



Temptrons mounted to DIN rail



AC807 adapter for EN50022

Dual mounting kits

The AC103528 mounting kit fits connection head models CH105, CH107, CH328, CH330, CH342, CH343, CH357, CH358, CH405 and CH407. It holds two miniature Temptrons in a single head for use with dual RTDs. Use AC103133 for connection head models CH104, CH106 and CH306, and CH356. CH106, CH306 and CH356 also require AC103625 connection head modification.



AC103528 mounting kit



AC103133 mounting kit