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THERMOCOUPLE CALIBRATOR
TSC-01B

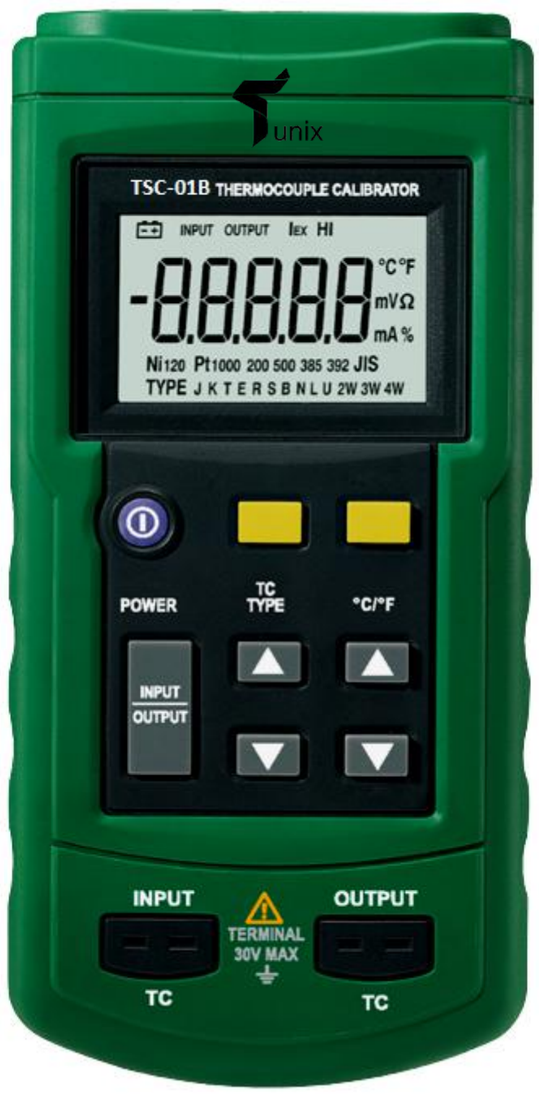
with Source/Simulate & Measure Facility for all 8 thermocouples types (J,K,R,S,T,E,B,N)

DESCRIPTION

TSC-01 B Thermocouple Calibrator is a precise source and measurement tool for calibrating thermocouple instruments through a thermocouple mini jack. The calibrator can be indicated in units of °C, °F , or mV (selectable).

FEATURES

- Measure temperature from TC output.
- Source/ Simulate TC output.
- Operable with eight types of thermocouples.
- Calibrate linear TC transmitter with mV source function.
- Selectable °F or °C.
- Certifying thermocouple sensors in combination with suitable temperature source
- Measure & simulate/source milivolts.



TECHNICAL SPECIFICATION

Thermocouple Standards and Scales		
Thermocouple Type	Standard	Scale
J, K, T, E, R, S, B, N	NIST 175	ITS-90

Thermocouple Properties			
Thermocouple Type	Temperature Ranges	Display Resolution	Accuracy
J	-200~1200°C / -328~2192°F	0.1 or °C	±(0.3°C + 10uV)
K	-200~1370°C / -328~2498 °F	0.1 or °C	±(0.3°C + 10uV)
T	-200~400°C / -328~752 °F	0.1 or °C	±(0.3°C + 10uV)
E	-200~950°C / -328~1742°F	0.1 or °C	±(0.3°C + 10uV)
R	-20~1750°C / -4~3182°F	1 or °C	±(0.3°C + 10uV)
S	-20~1750°C / -4~3182°F	1 or °C	±(0.3°C + 10uV)
B	600~1800°C / 1112~3272 °F	1 or °C	±(0.3°C + 10uV)
N	-250~1300°C / -418~2372°C	0.1 or °C	±(0.3°C + 10uV)

Millivolt Measure and Source（Maximum input voltage：30V）		
Range	Resolution	Accuracy
-10mV～75mV	0.01mV	±(0.02%+2Dgt)

Temperature Measure and Thermocouple Simulate（Maximum input voltage：30V）			
Thermocouple Type	Resolution	Error	Reference Junction Error
J, K, T, E, N	0.1°C or °C	±（0.3°C+10μV）	±0.2°C
R, S, B	1°C or °C ±	±（0.3°C+10μV）	±0.2°C

* Drift: ±(0.3°C) 1 year

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