

# T100 SERIES SINGLE-FUNCTION CALIBRATORS

## VOLTAGE, FREQUENCY, MILLIAMPS, THERMOCOUPLE & RTD



This line of calibrators is designed to give the technician excellent accuracy in a family of rugged, easy to use instruments. The T100 Series consists of 3 Process Signal calibrators (mA, Volts, Frequency) and 2 Temperature calibrators (T/C, RTD). Operation of these calibrators is made easy through the use of a sealed membrane keypad with simple controls. The outputs are set through the use of step and ramp keys which allows both large and small output changes to be made with ease. Each unit includes test leads, carrying case, 9V battery, NIST Certificate, and instruction manual.

### KEY FEATURES

- High Accuracy/Source and Read Capability
- Rugged, Dust Tight, Water Resistant Case
- Easy Operation
- Powered by a Common 9 Volt Battery

## SPECIFICATIONS

	T100 Milliamp	T110 Voltage	T120 Thermocouple	T130 RTD	T150 Frequency
RANGES	0.00 to 24.00 mA 25.0% to 125.0%	0.0 to 100.0 mV 0.00 to 10.00 V	J: -100 to 1000°C K: -100 to 1200°C T: -100 to 400°C E: -100 to 950°C Selectable °C or °F	Pt 385: -200 to 850°C Pt 392: -200 to 850°C Ni 120: -80 to 320°C JIS 392: -200 to 850°C Selectable °C or °F	0-100.0 kHz 0-1000.0 Hz 0-1000.0 CPM
OPERATING MODES	Source, Simulate, Read, Read/Power	Read or Source	—	—	—
RESOLUTION	—	—	1°C or °F	1°C or °F	—
ACCURACY	±0.025% FS ±1 LSD	±0.025% FS ±1 LSD	±1°C above 0°C ±2°C below 0°C	±1°C	± 0.01% F.S. ± 1 LSD
TEMPERATURE STABILITY	0.01% F.S./°C	0.01% F.S./°C	0.01% F.S./°C	±0.01% F.S./°C	0.005% F.S./°C
LOOP POWER	24V DC	—	—	—	—
STEP SIZE	4 mA (0, 4, 8, 12, 16, 20 and 24)	10 mV or 1 V (10 per range)	100°C/100°F	100°C/100°F	10% of range
SCROLL SIZE	0.01 mA	0.1 mV or .01 V	1°C/1°F	1°C/1°F	0.1% of Range
LOAD CAPACITY	1000 Ohms Min.	± 1 mA	—	—	5 mA (1 Kohm load min)
EXCITATION RANGE	—	—	—	0.125 mA to 2 mA continuous DC	—
OUTPUT SIGNAL	—	—	—	—	5V p-p square wave
INPUT SIGNAL	—	—	—	—	1V to 100V p-p
OPERATING TEMPERATURE	0 to 50°C				
STORAGE TEMPERATURE	-20 to 60°C				
WEIGHT	12 oz.				
SIZE	1.43 x 3.15 x 5.7 in.				

## ORDERING INFORMATION

T-100	Milliamp calibrator	\$ 499
T-110	Voltage calibrator	549
T-120	Thermocouple calibrator	549
T-130	RTD calibrator	549
T-150	Frequency calibrator	549

Information subject to change without notice. Prices in USD. V044.6