

MAXICAL TRX & TRX Loop

Multifunction Calibrator



The new Trx is the smallest and compact multifunction temperature calibrator available in the market. It is hard to believe, but we have included all the functions of a process calibrator in a easy-to-use pocket size instrument powered by long lasting Li-Ion rechargeable batteries. Use the source/measure simultaneous function to calibrate most of the temperature transmitters installed in the process.

Calibrator features:

- Easy to read dual channel back light display for simultaneously input and output
- Measure RTD's, Thermocouple, ohms, mA and mV
- 2,3, 4 Wire RTD configuration
- Source RTD's, Thermocouple, ohms, mA and mV
- 24 VDC loop power supply for transmitter
- Measure up to 30 VDC for loop checking
- Continuity/switch test
- User selectable Internal/external CJC

Advanced feature:

- fully programmable step and automatic ramp
- Scaling, Liner and square functions
- Valve stroke function
- Real time trend feature
- data logging function with data storage on mini SD card
- Onboard graphical help menu for process connection instruction
- Task driven menu for direct function/configuration of the instrument

Power

- Long life Li-Ion rechargeable batteries
- Delivery include, case, charger, SD card, test leads, manual and calibration certificate

Trx Loop feature:

- mA, V measure, Loop power supply

FEATURES

Function Capability	
Source RTD/measure 24 mA	Simultaneous
Source TC/measure 24 mA	Simultaneous
Source RTD/measure 24 mA with 24 VDC Loop	Simultaneous
Source T/Cs measure 24 mA with 24 VDC loop	Simultaneous
Source mode	Ramp, Step, Increment
mA source mode	Linear, square, valve stroke

TECHNICAL SPECIFICATION

MAXICAL TRX

Function measure or Source	Range	Accuracy	Resolution	Notes
Voltage(mV)	-10 to 100 mV	0.01% FS + 1LSD	0.001 mV	
mA	0 to 24 mA	0.02% FS + 1LSD	0.001 mA	
Resistance	0 to 400.00	0.05 % FS + 1 LSD	0.01 ohm	
	0 to 2000.0		0.1 ohm	
Thermocouples	K,J,T,B,R,S,E,N,U,L	0.01 % FS + 1 LSD	0.1 C	do not include CJC error
RTD's	Pt50, Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120	0.05 % FS + 1 LSD	0.01 C	
Loop Supply	24 VDC	n/a	n/a	

CJC error: 0.3 °C

Supported Temperature units: K, F, °C

Operating Temperature range: 0 to 50°C

Storage Temperature: -20 to 55°C

Humidity: 85 % non-condensing

Max Voltage: 30 VDC

Loop Power Supply: 24 VDC

Display: 128 x 64 graphic, custom LCD display

Sealing: IP 54

Protection: UL 94 V-0 flame retardant ABS plastic case

Power Supply: Internal Li-Ion rechargeable battery, Run : 8 Hours

CE marked

Size (H x W x D): 86x155x43mm including protective rubber booth

Weight: 340 g

Warranty: 2 year

Function measure or Source	Range	Accuracy	Resolution	Notes
Voltage(V) only Measure	0 to 32 V	0.01% FS + 1LSD	0.001 V	
mA (In+Out)	0 to 24 mA	0.02% FS + 1LSD	0.001 mA	

Max load 500 ohm + 24V Loop Supply



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