



TEKLAB V-mV-mA Source/Calibrator is specially designed to use for general purposes, current and voltage source. Best performance and simple operations make it suitable for testing engineer, R&D, Services and calibration technicians.

TEKLAB V-mV-mA Source/Calibrator offering very economical solution for both versatility and practicality the source voltage and current. It is combining advantage of digital accuracy and analog controlled outputs. This calibrator is a source tool for simulating the industrial signal conditions. Its facility to selection of output signals through toggle switch given on front fascia. Secondly when the connected load is on the terminal, LED display shows the actual outputs. Its output is adjustable through high accuracy potentiometer adjusting knob give on front of the instrument.

TEKLAB V-mV-mA Source/Calibrator is available in 2 types, first is Current and Voltage and second is Current and milli volt (Factory set). In the current mode its output is 0 to 20mA DC, in voltage mode 0 to 10VDC and in milli volt mode 0 to 200 mV DC. Common use of **TEKLAB V-mV-mA Source/Calibrator** is to simulate the transducer conditions and calibrate meters, Thermocouple indicators, Data loggers, process indicators, controller etc for signal in junctions.

TEKLAB V-mV-mA Source/Calibrator is panel mounted instrument and it is operated on 230V AC which is standard supply source in industries.

APPLICATIONS

- Calibrating and checking Temperature Indicator / Controller, recorders, Transmitters, Signal Conditioners, Converters etc.
- Source milli Volt signals for load cell amplifiers.
- Site calibration and Lab Calibration purpose.
- Signal transducer simulations and signal injections.
- Drift test for transmitters and transducers.

FEATURES

- Easy to use and user-friendly device.
- High brightness 0.56inch LED digits display to ensure its visibility in different light conditions.
- Source to Voltage and current both facilities.
- Accuracy 0.25% of Full Scale.
- Adjustable output through multi-turn high accuracy potentiometer.
- Economical and Best quality instrument.
- Three pluggable wiring banana Sockets, easy to do wiring connection.
- Sturdy MS/SS/Alu enclosures available.
- Standard panel mounting facility.

TECHNICAL SPECIFICATIONS

	V SOURCE	mV SOURCE	mA SOURCE
OUTPUT RANGE	0 to 10.00 VDC	0 to 199.9 mV DC	00 to 19.99 mA DC
OUTPUT DISPLAY RANGE	00 to 10.00 VDC	00 to 199.9 mV DC	00 to 19.99 mA DC
DISPLAY RESOLUTION	0.01 VDC	0.1 mV DC	0.01 mA DC
DISPLAY ACCURACY	±0.25% of Full scale.	±0.25% of Full scale.	- ±0.25% of Full scale.
OUTPUT LOAD	< 10KΩ for Voltage.	< 10KΩ for Voltage.	< 600Ω for current
OUTPUT TERMINAL TYPE	Standard banana sockets.	Standard banana sockets	Standard banana sockets.

GENERAL SPECIFICATIONS

Aux. Supply	230VAC, 50Hz (±10%)
Selection	Through Toggle Switch
Adjustment	Through multi-turn high accuracy potentiometer.
Display	3 ½ Digits seven segment red Colour
Front Sticker	Polycarbonate.
Operating Temperature	0 to 55 OC
Storage Temp	up to 60 OC
Relative Humidity	up to 95% RH (Non-Condensing)
Protection	Conformal Coating on PCB
For mA source display shows current value when load is connected otherwise it shows zero on the display.	

**All specifications and appearances are subject to change without prior notice*



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