



INTRODUCTION:

SUN-CAL-104-MB Universal calibrator is specially Designed to use for Sourcing, Measuring and simulating mA, mV, Volt, Resistance (RTD). It is Compact, Rugged and easy to use hand held device. Best performance and simple operations make it suitable for testing engineer, R&D, Services and calibration technicians. Sunsui **SUN-CAL-104-MB** offering very economical solution for versatility and practicality the Sink (Measure) and source milli-volt, volt, current and Resistance. **SUN-CAL-104-MB** is combine advantage of digital accuracy and analog controlled outputs. **SUN-CAL-104-MB** calibrator is a source tool for simulate the industrial signal conditions. Its facility to selection of output signals and input signals through toggle switches & Selector rotary switches given on front fascia. Secondly when the connected load on the terminal, LCD display show the actual outputs. Its output is adjustable through high accuracy potentiometer adjusting knobs.

KEY FEATURES: -

- Hand held, battery operated, portable instrument.
- Easy to use and user friendly device.
- 4 & ½ digits LCD display to ensure its high resolution.
- Independent calibration facility for mili Volts, Volts, current and resistances (Temperature).
- Adjustable output through multi-turn high accuracy potentiometers.
- Economical and Best quality instrument.
- Pluggable banana sockets & easy to wiring connections.
- External battery compartment for easy replacement of battery.

APPLICATIONS: -

- Calibrating and checking Temp. Indicator/Controller, Transmitters, Signal Conditioners, and Converters etc.
- Source mili Volt signals for load cell amplifiers.
- Site calibration and Lab Calibration purpose.
- Signal transducer simulations and signal injections.
- Drift test for transmitters and transducers.
- Useful for Commissioning, maintenance & trouble Shooting purpose.

SUNSUI PROCESS SYSTEMS, PUNE

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SPECIFICATIONS:-

➤ GENERAL SPECIFICATIONS:-

- Aux. Supply: - Battery Operated, 2 Nos.- 9V & Aux. Powered :- Through Adaptor
- Note :-**
 - Please only use adaptor supplied along with unit.**
 - When using the adaptor the instrument must have a battery.**
- Temp:- 0-55 Deg. C & Relative humidity :- 0-95 % RH
- Accuracy:- Better than 0.1 % for mADC, mVDC, V/g(0 to 10 VDC).
Better than 0.25 % For RTD, 0 to 200 V(Sink).
- Size:- 180 x 90 x 42(in mm)
- Enclosure:- Aluminum powder coated Black
- Connection: - Through banana sockets.
- Adjustment: - Through multi-turn high accuracy potentiometers.
- Mounting: - Handy & Table Top.
- Display:- 4 ½ Digit seven Segment LCD black & White.
- Front Sticker: - Polycarbonate.

➤ TECHNICAL SPECIFICATIONS:-

❖ SOURCE :-

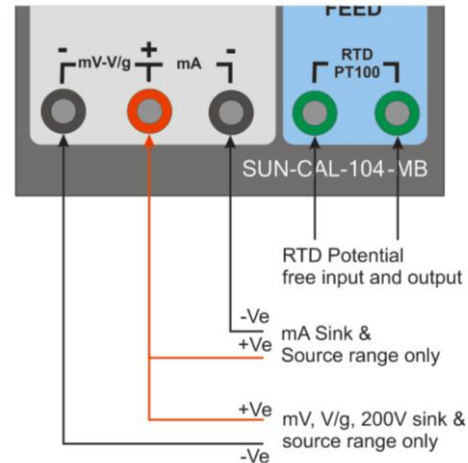
- O/P Range for Current: -0 to 20 mA.
- O/P Range for Voltage: - 0 to 200 mV & 0 to 10 VDC(V/g).
- Output Load:- 470 Ohm For 0 to 20 mADC, 10 K for 0 to 200 mV & 0 to 10 VDC(V/g)
- RTD Range: - -100 to 400°C.

Note: - For mA source display shows current value when load is connected otherwise it shows zero on the display. For mV and mA source selection one rotary switch is used.

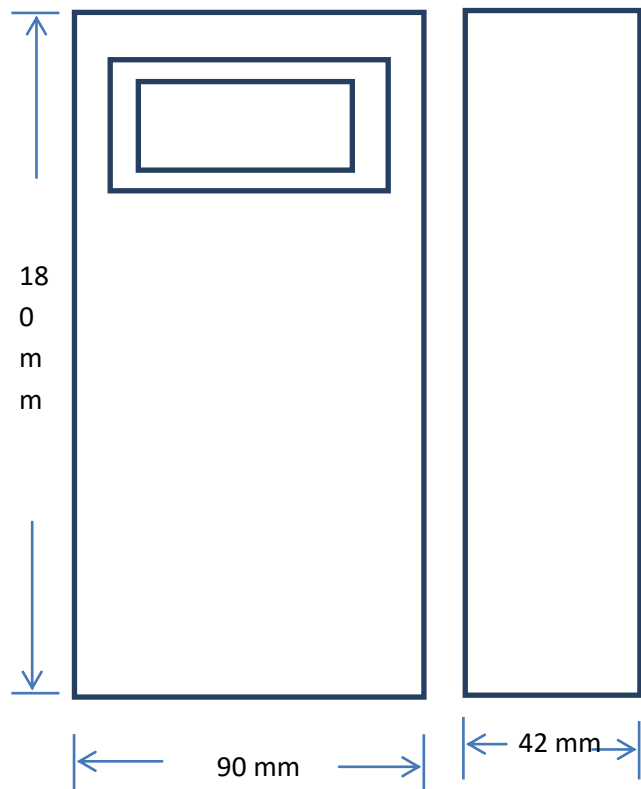
❖ SINK :-

- Range for Current: - 0 to 20 mA.
- Range for Voltage: - 0 to 200 mV & 0 to 10 VDC (V/g), 0 to 200 VDC.
- RTD Range: - -100 to 400°C.

CONNECTION DETAILS:-



MECHANICAL DIAMENTIONS:-



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