

mV Simulator

Model - MS 804MV



INTRODUCTION

SBK Instrumentation makes truly portable and highly reliable mV Simulator. The Simulator is designed to suit Instrumentation Lab as well as field calibration. This can be used as better tool for trouble shooting and confirmation of instrument. This can be used for many types of process control Instruments. Hence very useful for Commissioning, Quality assurance, Routing Maintenance.

FEATURES

- ▶ Hand held, Battery operated, Portable Source mV
- ▶ Typical Accuracy 0.1% ± 1 digit
- ▶ Independent Calibration for mV
- ▶ Typical Accuracy 0.1%

TECHNICAL SPECIFICATIONS

- ▶ **Power Supply** Two batteries of 9 V, Size PP3
(Optional) Battery Eliminator for 230VAC Operation
- ▶ **Indication** 4 ½ digit LCD display with battery Low, Over range & Polarity Indication
- ▶ **Operating Temp.** 0 to 50 ° C
- ▶ **Effect of Temp. Change** 0.002% per Deg. C ref 25° C
- ▶ **Humidity** Maximum 90% Rh non condensing
- ▶ **Battery Life** **30** Hrs in case of continuous operation for full Voltage output with Standard battery
- ▶ **Storage Temp.** 0 to 70° C
- ▶ **Size** 105 (H) * 90 (W) * 45 (D)
- ▶ **Weight** 1 Kg approximate

Function	Range	Resolution	Accuracy	Load
Source				

mV	0-199.9	10 μ V	i.e 0.1 % \pm 1 digit	5mA
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FUNCTIONAL DESCRIPTION

1. **Power ON** : This switch powers the instrument when switched “ ON”
2. **Mode** : Source (Generation).
3. **Battery Eliminator** : (Optional) This facility is provided in the Simulator to suit the operation on 230Vac 50 Hz \pm 10%. As soon as you connect eliminator Socket, batteries get disconnected automatically & vice versa.
4. **Battery Replacement**: When “ Low Bat” Indication appears on DPM, the discharged batteries must be replaced, otherwise the accuracy will not be achieved. For replacing battery remove side bottom plate & then slide out the bottom plate on which battery is firmly placed.
5. **mV Simulator** : Can be calibrated easily. Remove the top plate. Potentiometer for Zero and Span are easily accessible.

APPLICATION

- ▶ For calibration of process control instruments and systems for various industries such as cement, Chemicals, Dyestuff, Paint, Durgs, Pharmaceuticals, Sugar, Paper, Glass, Food Industries, Steel, Synthetics, Auto, Air Conditioning and Refrigeration.
 - ▶ As fault finding tool.
 - ▶ Quality Assurance tool for ISO 9000, QS 2000 companies for control of inspection & measurement.
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Due to continuous development specifications are subject to change without notice.

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