

DATA SHEET

mA Simulator

INTRODUCTION

SBK Instrumentation makes truly portable and highly reliable mA Simulator which can be used for mA Source and Sink facility is built in. 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. Hence very useful for Commissioning, Quality assurance, Routing Maintenance..

FEATURES

- Hand held, Battery operated, Portable Source mA and Sink mA as per requirement
- Typical Accuracy $0.1\% \pm 1$ digit
- Optional battery eliminator for operation on 230Vac
- Maximum load 500 ohm
- mA Output range 0-25 mA
- mA Measurement Range 0-19.99mA
- Facility for quick Calibration using selector switch



Model - MS 805

TECHNICAL SPECIFICATIONS

- **Power Supply** Two Batteries of 9V, Size PP3
(Optional) Battery Eliminator for 230 V AC Operation
- **Indication** $3\frac{1}{2}$ digit LCD display with Battery low Indication
- **Operating Temp.** 0 to 50 °C
- **Effect of Temp. Change** 0.002% per Deg. C ref 25°C
- **Humidity** Max 90% Rh non condensing
- **Battery Life** 4 Hours in case of continuous operation for full current output with Standard battery.
- **Storage Temp.** 0 to 70°C
- **Size** 170 (H)* 90(W)*45(D)
- **Weight** 1 Kg approx.

SPECIFICATIONS

Funtion	Range	Resolution	Accuracy	Load
Source / Sink				
mA	0-19.99	10 Micro Amp	$0.1\% \pm 1$ digit	500 ohms at 20 mA

FUNCTIONAL DESCRIPTION

1. **Power ON** - This switch powers the instrument when switched "ON"
2. **Mode** - Source (Generation) or Sink (Measurement) with Toggle Switch.
3. **Battery Eliminator** - (Optional) This facility is provided in the calibrator to suit the operation on 230Vac 50Hz \pm 10% As soon as you connect eliminator Socket, batteries get disconnected automatically & vice versa.
4. **Battery Replacemen** - 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. **mA Simulator** - Can be calibrated easily. Remove the top plate. Potentiometer for Zero and Span are easily accessible.
6. **Quick Calibration** - Selector Switch can be set for 4, 8, 12, 16,20 mA to get appropriate output in Source Mode
7. **This facility** - is provided in Simulator

APPLICATIONS

- For calibration of proces control Instruments and Systems for various industries such as Cement, Chemicals, Dyestuff, Paint, drugs, Pharmaceuticals, Sugar, Paper, Glass, Food Industries, Steel, Synthetics, Auto, Air-conditioning & 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.

Total Instrumentation under Single Roof



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