

- 4/20 mA OUTPUT IN 5 STEPS
- OPERATES AS A CURRENT SOURCE OR 2 WIRE SIMULATOR
- HIGH ACCURACY  $\pm 0.07\%$  OF F.S.R.
- OVERLOAD INDICATION WHEN LOOP RESISTANCE IS HIGH OR OPEN
- LOW BATTERY INDICATION
- OPERATES ON COMMON 9V BATTERY



### **GENERAL DESCRIPTION**

The DEVAR Mini-Source current calibrator is an easy to use, low cost, portable current source designed for calibrating and troubleshooting current loop receivers and transmitters. A single push-button allows the user to select one of 5 current outputs (4,8,12,16,20 mA) which can drive loads up to 300 Ohms or act as a 2 wire simulator with an external loop power supply of up to 30 VDC. This unique combination of high accuracy, shirt pocket size, and low cost makes the Mini-Source a valuable tool for all current calibration applications.

### **APPLICATIONS**

The Mini-Source is a rugged, high accuracy calibrator designed for industrial applications. It has the ability to troubleshoot or calibrate any 4/20 mA device such as panel meters, chart recorders, two wire transmitters, data acquisition equipment and other types of process monitoring instruments.

# MODEL 18-MSC SPECIFICATIONS

**Output:** 5 Current steps (4,8,12,16,20 mA)

**Accuracy:** ±0.075% of full scale

**Voltage Compliance:**

Source: Internal 9 Volt battery

Simulate: External Supply - up to 30 Vdc

**Temperature Stability:** 100 ppm/°C

**Power Supply:** 9 Volt Alkaline battery

**Protection Fuse:** Type 8AG 250V, 1/16A

**Battery Life:** 50 hours at 4 mA out

**Temperature Range:**

Operating: 0° to 50°C

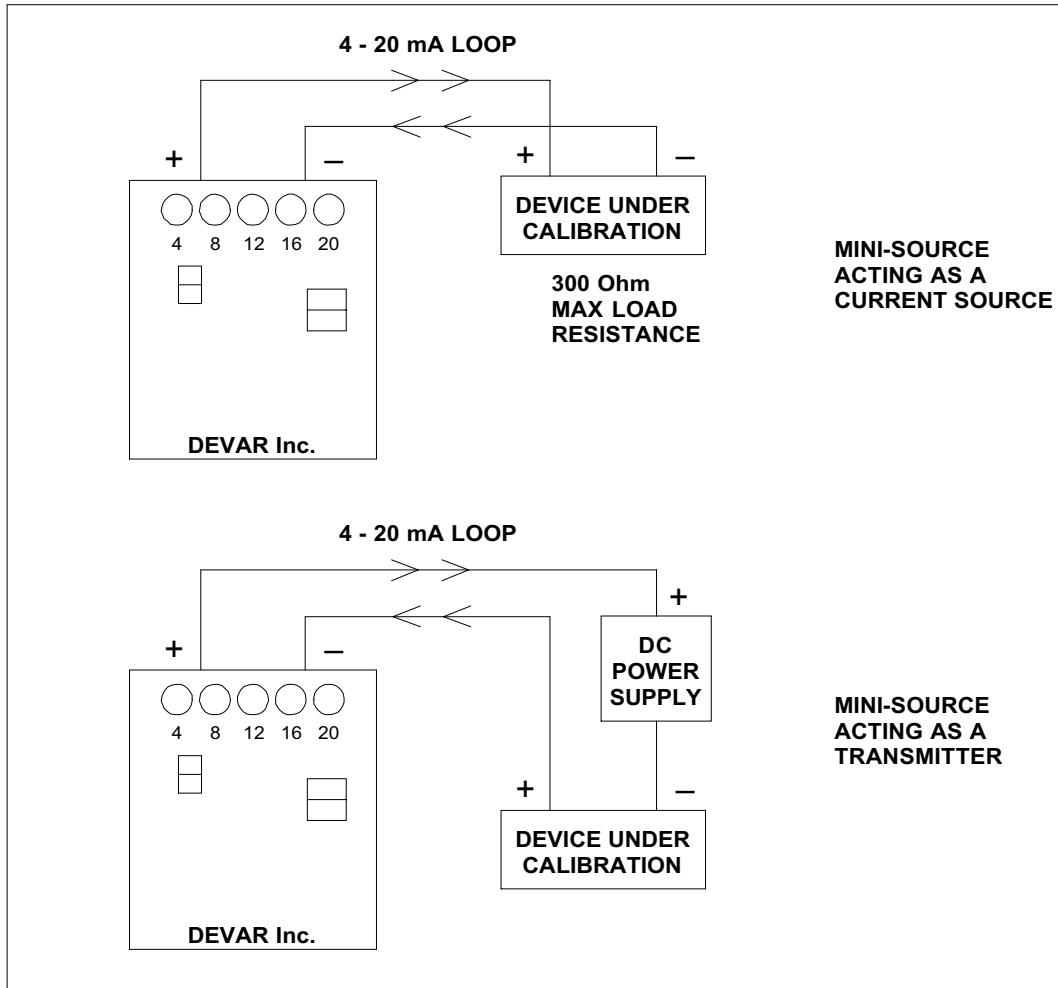
Storage: -25° to 60°C

**Output Terminations:** Two alligator clips on 8" leads.

**Size:** 3.8" x 2.4" x 1.0"

Unit furnished with standard belt clip

**WARRANTY:** 1 YEAR, *Made in USA*



## FIELD WIRING

### DEVAR Inc.

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