

# MS-420 - *Mini-source Portable Calibrator*

The Martel Electronics MS-420 Mini-Source Portable Calibrator is a multi-purpose process loop tool that offers high accuracy in an ultra-small, rugged package.

A single pushbutton selects one of five current outputs (4, 8, 12, 16, or 20 mA), which can drive up to 300 Ohms, or can act as a 2-wire simulator with an external loop power supply of up to 30 VDC.

Each unit is provided with a 9 V battery, NIST Certificate, and instruction manual.

## Specifications

### Output

Five current steps:  
4, 8, 12, 16, and 20 mA  
± 0.075% of FS

### Accuracy

### Voltage Compliance

Source  
Simulate

Internal 9 volt battery  
External supply; up to 30 VDC

### Power Supply

### Battery Life

9 volt alkaline battery  
50 Hours @ 4 mA output

### Temperature Range

Operating  
Storage

0°C to +50°C  
-25°C to +60°C

### Mechanical Dimensions

Sizes  
Weight

3.8" h x 2.4" w x 1.0" d  
6 ounces

### Output Terminations

Two (2), 8" leads with alligator clips

## General Features

Designed for calibrating the following:

- Chart recorder
- Panel meter
- Data acquisition
- Other process instruments

## MS-420 Mini-source Current Calibrator Ordering Information

Part Number	Description
19D4132	MS-420 Mini-source current calibrator
	<b>Includes</b>
	<ul style="list-style-type: none"> <li>• Calibrator as above</li> <li>• User Manual</li> <li>• Calibration Card</li> <li>• Fixed test leads</li> <li>• 9V Alkaline battery</li> </ul>

