

## Features

The fast, one-handed tool for loop checks. Just click to calibrate.

This feature-rich solution combines the best features push-button and knob-base loop calibrator and offers:

- Large display and simple, quick-click interface for easy one-handed operation.
- Simultaneous mA and % readout for quick, easy interpretation of readings.
- mA accuracy of 0.015%, superior to other loop calibrators in this price range.
- 1  $\mu$ A resolution for mA source, simulate and measure.
- Push button 25% steps for fast, easy linearity checks.
- 0-100% "span check" for fast confirmation of zero and span.
- Selectable slow ramp, fast ramp, and step ramp to provide smooth outputs for valve slewing and loop functional tests.
- 24 volt internal loop supply, so you can power and read a transmitter at the same time without carrying a DMM.
- Measures V dc to 28 V.
- Single 9V battery that is easily changed without braking calibration seal
- 0 - 20 mA or 4 - 20 mA default start up modes.
- Innovative output adjustment dial with 1  $\mu$ A and 100 resolution.
- HART™ mode connects 250  $\Omega$  resistor in series with 24 V loop for compatibility with HART communicators.



## Specifications

Specifications	
<b>Current Measurement</b>	<b>Range:</b> 0 to 24 mA <b>Resolution:</b> 0.001 mA <b>Accuracy:</b> 0.015% Rdg + 2 LSD
<b>Current Sourcing</b>	<b>Range:</b> 0 to 20 mA or 4 to 20 mA <b>Accuracy:</b> 0.015% Rdg + 2 LSD <b>Drive Capability:</b> 1200 $\Omega$ ; 950 $\Omega$ at 20 mA in HART mode
<b>Current Simulation</b>	<b>Range:</b> 0 to 20 mA or 4 to 20 mA <b>Accuracy:</b> 0.015% Rdg + 2 LSD <b>Ext. loop voltage requirement:</b> 12-30 V
<b>Loop Power</b>	While measuring mA, 24 V
<b>Voltage measurement</b>	<b>Range:</b> 0 to 28 V DC <b>Resolution:</b> 1 mV <b>Accuracy:</b> 0.015% Rdg + 2 LSD

Environmental Specifications	
<b>Operating Temperature</b>	-10°C to 55°C
<b>Storage Temperature</b>	-30°C to 60°C
<b>Humidity (Without Condensation)</b>	0 to 90% (0°C to 35°C); 0 to 70% (35°C to 55°C)
<b>Temperature Coefficient</b>	-10°C to 18°C, 28°C to 55°C, $\pm$ 0.005% of range per °C

Safety Specifications	
<b>Safety</b>	CSA C22.2 No. 1010.1:1992
<b>EMC</b>	EN50082-1:1992 and EN55022:1994 Class B
<b>Maximum voltage</b>	30V

<b>Mechanical &amp; General Specifications</b>	
<b>Size</b>	152 x 70 x 41 mm
<b>Weight</b>	224 g (340 g including holster)
<b>Batteries</b>	One 9V battery Alkaline
<b>Warranty</b>	Three years
<b>Shock &amp; Vibration</b>	per MIL-T-28800 for a Class 2 Instrument
<b>Display current and % of span</b>	Yes
<b>Auto step, auto ramp</b>	Yes
<b>Span Check</b>	Yes
<b>Fluke 707</b>	<b>Loop Calibrator including:</b> <ul style="list-style-type: none"> <li>● AC70A Alligator Clips</li> <li>● C10 protective yellow holster with Flex-Stand™</li> <li>● Instruction sheet</li> <li>● TL75 safety-designed test lead set</li> <li>● NIST- traceable calibration report and data</li> </ul>