

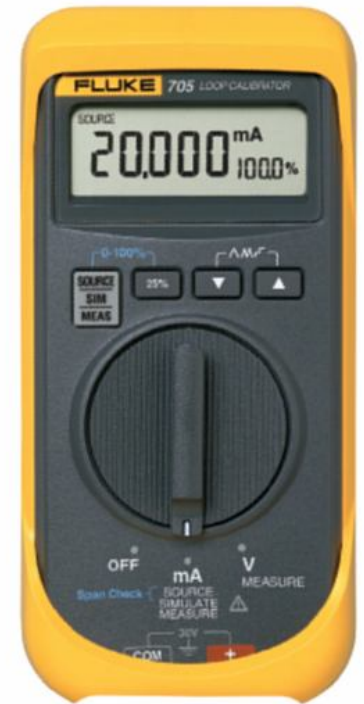
## Features



### Low cost calibrator muscle.

For a powerful loop calibrator at a very affordable price, choose the new Fluke 705 Loop Calibrator. This feature-rich solution to loop calibration, maintenance and repair offers:

- A large display and simple, pushbutton interface for ease of use.
- Simultaneous mA and % readout for quick, easy interpretation of readings.
- mA accuracy of 0.02%
- Push button 25% steps for fast, easy linearity checks. Save time over traditional knob type controls.
- "Span Check" for fast confirmation of zero and span.
- Selectable slow ramp, fast ramp, and step 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.
- Single 9V battery that is easily changed.



## Specifications

### Specifications

<b>Current Measurement</b>	<b>Range:</b> 0 to 24 mA <b>Resolution:</b> 0.001 mA <b>Accuracy:</b> 0.02% Rdg + 2 LSD
<b>Current Sourcing</b>	<b>Range:</b> 0 to 20 mA or 4 to 20 mA <b>Accuracy:</b> 0.025% Rdg + 2 LSD <b>Drive Capability:</b> 1000 Ω @ 24 mA
<b>Current Simulation</b>	<b>Range:</b> 0 to 20 mA or 4 to 20 mA <b>Accuracy:</b> 0.025% 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> 0.025% Rdg + 2 LSD

### Loop Calibrator including:

- AC70A Alligator Clips
- C10 protective yellow holster with Flex-Stand™
- Instruction sheet
- TL75 safety-designed test lead set
- NIST- traceable calibration report and data

### Environmental Specifications

<b>Operating Temperature</b>	-10 °C to 55 °C
<b>Storage Temperature</b>	-40 °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, ±.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>	30 V

### Mechanical & General Specifications

<b>Size</b>	152 x 70 x 41 mm
<b>Weight</b>	340g
<b>Batteries</b>	One 9V battery
<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