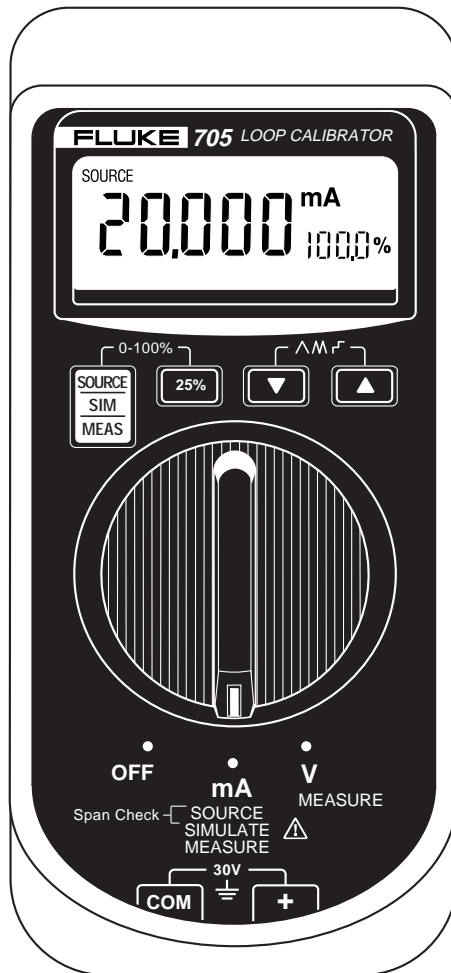


# FLUKE®

## Fluke 705 Loop Calibrator

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.
- 0 - 20 mA or 4 - 20 mA default start up modes.



### Ordering Information

Fluke-705 Loop Calibrator

### Included Accessories

TL75 Test Leads  
AC70 Test Clips  
C-10 Holster  
Instruction sheets (English, French, German, Spanish, Italian, Dutch, Norwegian, Danish, Swedish, Finnish, Portuguese, Korean, Chinese, Japanese)

Need Technical Assistance? Call:

**1-800-44-FLUKE**

Toll-free in the U.S.

(905) 890-7600 in Canada

(425) 356-5500 other countries

For more information to be sent to you by fax, call 1-800-FLUKE-FAX in the U.S. and Canada. Or, visit our Website at <http://www.fluke.com>

## Specifications

### Summary Specifications (18° to 28°C, one year)

Function	Range	Resolution	Accuracy
Voltage measure	0 to 28V	.001V	.025% Rdg + 1 LSD
mA measure	0 to 24 mA	.001 mA	.02% Rdg + 2 LSD
mA source*	0 to 24 mA	.010 mA	.02% Rdg + 2 LSD
Loop supply	24V dc	n/a	10%

Temperature Coefficient, -10 to 18°C, 28 to 55°C, ±.005% of range per °C;

\* Max load, 1000 Ohms; Max applied voltage for simulation, 30V

### Operating Modes

Measure current
Measure current/Loop power
Measure voltage
Simulate current; manual adjust; scroll up/down
Simulate current; 25% steps; 0-100% steps
Simulate current; Auto ramp (smooth/step)
Source current; manual adjust; scroll up/down
Source current; 25% steps; 0-100% steps
Source current; Auto ramp (smooth/step)

### General Specifications

Maximum voltage	30 volts
Non-operating temperature	-40°C to 60°C
Operating temperature	-10 °C to 55°C
Relative humidity	0 to 90% (0 to 35°C); 0 to 70% (35 to 55°C)
Operating altitude	3,000m max
Shock and vibration	Per MIL-T-28800 for a Class 2 Instrument
Safety	CSA C22.2 No. 1010.1:1992
EMC	EN50082-1:1992 and EN55022:1994 Class B
Size/weight	6.0 in L x 2.8 in W x 1.6 in D (152 mm L x 70 mm W x 41 mm D) 12 oz (340g)
Size/weight, with C10 holster	6.4 in L x 2.9 in W x 1.9 in D (164 mm L x 75 mm W x 47 mm D) 18 oz (500g)
Battery: Battery life	One 9V alkaline 18 hours typical, at 12 mA
Warranty	Three years

**Fluke.** *Keeping your world  
up and running.*