

Fluke 771- Milliamp Process Clamp Meter

- Loop calibrator that measures 4 to 20 mA signals without breaking the loop - Features best in class 0.2% accuracy - Delivers 0.01 mA resolution and sensitivity - Measures mA signals for PLC and control system analog I/O - Features a detachable clamp with extension cable for measurements in tight locations

Rating: Not Rated Yet
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Manufacturer[Fluke](#)

Description

Product overview: Fluke 771 Milliamp Process Clamp Meter

Fluke 771 Milliamp clamp meter saves you time by measuring 4-20 mA signals without breaking the loop

The Fluke 771 delivers all the basics. It measures 4-20 mA signals without "breaking the loop", allowing you to measure low level dc current while saving downtime and money. You can also use it to measure output signals from transmitters without breaking the loop when maintaining and troubleshooting process and automation equipment. This saves time and avoids disruption to the process. For more convenience, the detachable clamp can be attached to the wire you're testing while you move the meter—connected by the extension cable—to a better viewing position. This is especially helpful for taking readings in tight locations.

Other useful features:

- Captures and displays changing measurements with Hold function
- Extends battery life with auto-off and backlight timeout
- Dual backlit display with both mA measurement and percent of 4 to 20 mA span
- Measurement Spotlight to illuminate hard to see wires in dark enclosures
- Measures 10 to 50 mA signals in older control systems using the 99.9 mA range
- Automatically changes the 4 to 20 mA output for remote testing

Specifications: Fluke 771 Milliamp Process Clamp Meter

Specifications	
Diameter of measurable conductor	0.177 in or 4.5 mm max
Operating temperature	-10 to 50°C
Storage temperature	-25 to 60°C
Operating humidity	< 90% @ < 30°C, < 75% @ 30 to 55°C

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Operating altitude	0 to 2000 m	
IP rating	IP 40	
Size	59 x 38 x 212 mm (2.32 x 1.5 x 8.35 in)	
Weight	260 G, (9.1 oz)	
Vibration	Random 2 g, 5 to 500 Hz	
Shock	1 m drop test (except the jaw)	
EMI/RFI	Meets EN61326-1	
	For current measurement w/ JAW, add 1 mA to specification for EMC field strengths of 1 V/m up to 3 V/m.	
Temperature coefficient	0.01% °C ($< 18^{\circ}\text{C}$ or $> 28^{\circ}\text{C}$)	
Power, battery life	(2) AA 1.5 V Alkaline, IEC LR6, 40 hours typical	
Warranty	Three years for electronics One year for cable and clamp assembly	
Functional Specifications		
mA measurement (measured by clamp)	Resolution / range	0 to 20.99 mA
	Accuracy	0.2% + 2 counts
	Resolution / range	21.0mA to 100.0 mA
	Accuracy	1% + 5 counts