

# Fluke 771 Milliamp Process Clamp Meter

## Technical Data



Measure 4 to 20 mA signals without breaking the loop

### Features include:

- Measure mA signals for PLC and control system analog I/O
- Measure 4 to 20 mA output signals from transmitters without breaking the loop
- Best in class 0.2 % accuracy
- Resolution and sensitivity to 0.01 mA
- Hold function captures and displays changing measurements
- Dual backlit display with both mA measurement and percent of 4 to 20 mA span
- Measurement Spotlight illuminates hard to see wires in dark enclosures
- Detachable clamp with extension cable for measurements in tight locations
- Measure 10 to 50 mA signals in older control systems using the 99.9 mA range
- Automatic battery savings features
- Power, 15 minutes automatic power down
- Backlight, 2 minutes, automatic off
- Spotlight, 2 minutes, automatic off

Automatic battery saving features can be disabled if desired.

# Specifications

## Performance Specifications (1 Year)

Range/Resolution	Accuracy	Features	Note
-20.99 mA to +20.99 mA	0.2 % or reading + 5 counts	Zero, Hold, backlight measurement spotlight	Use for measuring and troubleshooting 4 mA to 20 mA signals
-21.0 mA to -99.9 mA +21.0 mA to +99.9 mA	1 % reading + 5 counts	Zero, Hold, backlight measurement spotlight	Use for measuring and troubleshooting 10 mA to 50 mA signals

## Environmental, General Specifications

Diameter of measurable conductor	0.177 in or 4.5 mm max
Operating Temperature	-10 °C to 55 °C
Storage Temperature	-25 °C to 70 °C
Operating Humidity	< 95 % @ < 30 °C, < 75 % @ 30 °C to 55 °C
Operating Altitude	0 m to 2000 m
IP Rating	IP 40
Size	59 mm x 38 mm x 212 mm, (2.32 in x 1.5 in x 8.35 in)
Weight	260 g, (9.1 oz)
Vibration	Random 2 g, 5 Hz to 500 Hz
Shock	1 meter drop test (except the jaw)
EML, RFI, EMC	Meets EN61326-1
Temperature Coefficients	0.01 % / °C
Power, battery life	(2) AA 1.5 V Alkaline, IEC LR6, 40 hours typical

## Warranty

Three years for electronics, one year for clamp cable assembly

## Ordering Information

**Fluke-771** Milliamp Process  
Meter

### Included Accessories

Soft carrying case  
User's manual



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**Fluke Corporation**  
PO Box 9090, Everett, WA USA 98206

**Fluke Europe B.V.**  
PO Box 1186, 5602 BD  
Eindhoven, The Netherlands

**For more information call:**  
In the U.S.A. (800) 443-5853 or  
Fax (425) 446-5116  
In Europe/M-East/Africa (31 40) 2 675 200 or  
Fax (31 40) 2 675 222  
In Canada (800)-36-FLUKE or  
Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or  
Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

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