

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)
EMI, 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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10/2007 2772546 D-EN-N Rev B