

FLUKE®

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



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

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