

771 mA Process Clamp Meter



Fluke 771

The Fluke 771 is the latest innovative approach to measuring mA loop signals.

With the Fluke 771 you no longer need to lift a wire from a terminal (break the loop) to measure 4-20 mA which has a direct impact on your maintenance time. With the Fluke 771 there is no need to call a control room to override the control of a process loop when breaking the loop and you save time when testing analog I/O on a PLC if you do not need to check measurements on a console. In addition, the Fluke 771 can have another impact on your overall cost by eliminating catastrophic plant outage caused by accidentally opening a critical loop.

Measure 4-20 mA signals without breaking the loop

- Measure mA signals for PLC and control system analog I/O
- Measure 4-20 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 4-20 mA span
- Measurement Spotlight illuminates hard to see wires in dark enclosures
- Detachable clamp with extension cable for measurements in tight locations
- Measure 10-50 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

Function	Range	Resolution	Accuracy	Features
Measuring and troubleshooting 4-20 mA signals	-20.99 to +20.99 mA	0.01 mA	0.2% or reading + 5 counts	Zero, Hold, backlight, measurement spotlight
Measuring and troubleshooting 10-50 mA signals	-21.0 to -99.9 mA +21.0 to +99.9 mA	0.1 mA	1% reading + 5 counts	Zero, Hold, backlight, measurement spotlight

Operating Temperature: -10 to 55 °C
Storage Temperature: -25 to 70 °C
Operating Humidity: < 95% @ <30 °C, < 75% @ 30 to 55 °C
Operating Altitude: 0 to 2000 m
IP Rating: IP 40
Size (HxWxD): 212 mm x 59 mm x 38 mm
Weight: 0.26 kg

Vibration: Random 2g, 5 to 500 Hz
Shock: 1 meter drop test (except the jaw)
Safety: EMI, RFI, EMC - Meets EN61326-1
Temperature Coefficients: 0.01% / °C
Battery: AA 1.5 V Alkaline (2), IEC LR6
Battery Life: 20 hours typical
Warranty: Three-years, electronics, 1-year for clamp cable assembly

Included Accessories

Soft carrying case, users manual

Ordering Information

Fluke 771 Milliamper Process Clamp Meter