

771, 772 and 773 mA Process Clamp Meters

FLUKE®



Fluke 771



Fluke 772



Fluke 773

mA measurements without breaking the loop. Save time. Save money.

Fluke 771, 772 and 773

- Measure 4 to 20 mA signals without “breaking the Loop,” save time and money troubleshooting 4 to 20 mA signals

Fluke 772 and 773

- Source 4 to 20 mA signals for testing control system I/O or I/Ps
- Simulate 4 to 20 mA signals for testing control system I/O
- Measure 4 to 20 mA signals with in-circuit measurement
- Power a transmitter with the 24 V loop power supply
- Automatically ramp and step change the 4 to 20 mA output for remote testing

Fluke 773

- DC voltage measurement to verify 24 V power supplies or voltage I/O signals
- Source DC voltage to test voltage input devices
- Scaled mA output signal enables a logging DMM (289) to record 4 to 20 mA signal without breaking the loop
- mA in/out: simultaneously source a mA signal while measuring a mA signal with the clamp

Features

	771	772	773
mA measure w/jaw	●	●	●
mA measure in circuit		●	●
mA source		●	●
mA sim		●	●
Loop power 24 V		●	●
DCV source 0-10 V			●
DCV measure 0-30 V			●
Scaled mA output to mA input			●
mA in/out			●

Specifications

	Function	Resolution and range	Accuracy	Notes
771, 772, 773	mA measurement	0 to 20.99 mA 21.0 mA to 100.0 mA	0.2% + 5 counts 1% + 5 counts	Measured by clamp
772 and 773	mA measurement	0 to 24.00 mA	0.2% + 2 counts	Measured in series with test jacks
772 and 773	mA source	0 to 24.00 mA	0.2% + 2 counts	Maximum mA drive: 24 mA into 1,000 ohms
772 and 773	mA simulate	0 to 24.00 mA	0.2% + 2 counts	Maximum voltage 50 V dc
773	Voltage source	0 to 10.00 V dc	0.2% + 2 counts	2 mA maximum drive current
773	Voltage measure	0 to 30.00 V dc	0.2% + 2 counts	

Included Accessories

Fluke 771: soft carrying case and user's manual
Fluke 771 + 772: plus test leads, AC175 alligator clip set and TL940 mini-hook test lead set

Ordering Information

Fluke 771 Milliamp Process Clamp Meter
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Size (HxWxD):

771: 212 mm x 59 mm x 38 mm
772 + 773: 248 mm x 76 mm x 41 mm

Weight: 771: 0.26 kg

772 + 773: 0.42 kg

Battery: 771: 2x 1.5V Alkaline, IEC LR6

772 + 773: 4x 1.5V Alkaline, IEC LR6

Battery Life: 771: 20 hours typical

772 + 773: 12 hours @ 12 mA source into 500 ohms

IP Rating: IP 40

Warranty: 3 years, 1 year on mA clamp accessory and cable