

Fluke 771, 772 and 773 mA Process Clamp Meters



Fluke 772

Fluke 773

Fluke 771



Don't break the loop on 4-20 mA signal measurements and save time with the Fluke 771, 772 and 773 Milliamp Process Clamp Meters. Three-year warranty, (one-year provided on mA clamp assembly and cable).

Use the Fluke 772 and 773 to:

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

Use the Fluke 773 to:

- Measure DC voltage 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 4-20 mA signal without breaking the loop
- mA in/out: simultaneously source a mA signal while measuring a mA signal with the clamp

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

Specifications	Function	Resolution and range	Accuracy	Notes
771, 772, 773	mA measurement	0 to 20.99 mA	0.2% + 5 counts	Measured by clamp
		21.0 mA to 100.0 mA	1% + 5 counts	—
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 1000 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	—

	771	772	773
Battery	Two 1.5 V, Alkaline, IEC LR6	Four 1.5 V, Alkaline, IEC LR6	
Working hours	40 hours typical	12 hours @ 12 mA source into 500 Ω	
Size (H×W×L)	59 mm × 38 mm × 212 mm (2.32 in × 1.5 in × 8.35 in)	43.7 mm × 70 mm × 246.2 mm (2.87 in × 5.75 in × 11.62 in)	
Weight	260 g (9.17 oz)	410 g (14.46 oz)	
Operating temperature	-10° C to 50° C (14° F to 122° F)		
Ingress Protection (IEC 60529)	IP40		

Recommended Accessories



TL220
SureGrip™ Industrial Test Lead Set

C550
Tool Bag

Fluke 771, 772 and 773 mA Process Clamp Meters pay for themselves

- The more you use them the more money you save
- Measuring 4-20 mA signals (five) times without operator intervention can pay for the 771
- Saving a trip back to shop to get a loop calibrator can pay for the price difference of the 772
- Saving a trip back to the shop for a voltage test source can pay for the price difference of the 773



Included Accessories

Fluke 771: Soft Carrying Case, User Manual.

Fluke 772/773: Four AA Alkaline Batteries (installed), Soft Carrying Case, TL75 Test Leads, AC 72 Detachable Clip, TL940 Mini-hook Test Leads, Instruction Sheet, Hanging Tool with Hook and Loop Strap.

Ordering Information

FLUKE-771 Milliamp Process Clamp Meter

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Contact your local distributor for price and availability.
fluke.com/wtb