

TECHNICAL DATA

Fluke 289 IMSK Industrial Multimeter Service Kit



289 IMSK KIT HIGHLIGHTS

- Fluke 289 Multimeter has true-rms accuracy and advanced functionality to give you the results you need
- Fluke-i400 AC 400A Current Clamp turns the 289 into a clamp meter
- Select accessories like temperature probe, test leads and alligator clips included

Product overview

This combo kit is built around the Fluke 289, Fluke’s next-gen high performance industrial logging multimeter, combined with the i400 AC current clamp. Together, they help solve complex problems in electronics, plant automation, power distribution, and electro-mechanical equipment. The kit includes special accessories to make you even more productive on the job and will save over 15 % compared with the individually priced items. Plus, you’ll be working with the most trusted tools in the world.

Fluke 289 True-rms Multimeter is equipped with high-performance functionality.

- Provides the ability to log data and graphically
- TrendCapture graphically displays logged data session to quickly determine whether anomalies may have occurred
- Review up 10,000 recorded events and logged readings with on-board TrendCapture
- Zoom on trend provides unprecedented ability to view and analyze TrendCapture data; zoom in up to 14 times
- Low Pass filter for accurate voltage and frequency measurements at the same time on adjustable speed motor drives and other electrically noisy equipment
- Includes premium test leads, alligator clips, and amp jack plugs

Fluke-i400 AC 400A Current Clamp turns the Fluke 289 into a clamp meter

- The current clamp provides accurate current measurements up to 400 A ac without breaking electric circuits
- Allows taking measurements safely with industry standard safety ratings

Select accessories like temperature probe, test leads and alligator clips

- TL71 Premium Test Lead Set with distinctive comfort grip probes, they are heat and cold resistant with safety ratings up to CAT III 1000 V
- AC175 Alligator Clips provides the flexibility to configure leads to the individual needs

Key safety features

- Safety rated CAT III 1000 V, CAT IV 600 V meter to get you home safely from the job

Warranty

- Lifetime warranty

Fluke 289 specifications

General specifications		
Maximum voltage (between any terminal and earth ground)	1,000 V	
Battery type	6 AA alkaline batteries, NEDA 15A IEC LR6	
Battery life	100 hours minimum, 200 hours in logging mode	
Temperature		
Operating	-20 °C to 55 °C	
Storage	-40 °C to 60 °C	
Relative humidity	0 to 90 % (0 °C to 37 °C) 0 to 65 % (37 °C to 45 °C) 0 to 45 % (45 °C to 55 °C)	
Electromagnetic compatibility	EMC EN61326-1	
Vibration	Random vibration per MIL-PRF-28800F Class 2	
Shock	1 meter drop per IEC/EN 61010-1 2nd Edition	
Size (HxWxL)	22.2 cm x 10.2 cm x 6 cm (8.75 in x 4.03 in x 2.38 in)	
Weight	870.9 g (28 oz)	
Detailed specifications		
Function	Range and resolution	Best accuracy
DC volts AC volts	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V	0.025 % 0.4 % (true-rms)
DC current AC current	500.00 µA, 5000.0 µA, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A	0.15 % 0.7 % (true-rms)
Temperature (excluding probe)	-200.0 °C to 1350.0 °C (-328.0 °F to 2462.0 °F)	1.0 %
Resistance	50.000 Ω, 500.00 Ω, 5.0000 kΩ, 50.000 kΩ, 500.00 kΩ, 5.0000 MΩ, 50.00 MΩ, 500.0 MΩ	0.05 %
Capacitance	1.000 nF, 10.00 nF, 100.0 nF, 1.000 µF, 10.00 µF, 100.0 µF, 1000 µF, 10.00 mF, 100 mF	1.0 %
Frequency	99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz	.005 %
Additional features		
Multiple on screen displays	Yes	
True-rms ac bandwidth	100 kHz	
dBV/dBm	Yes	
DC mV resolution	1 µV	
Megohm range	up to 500 MΩ	
Conductance	50.00 nS	
Continuity beeper	Yes	
Battery/fuse access	Battery/fuse	
Elapse time clock	Yes	
Time of day clock	Yes	
Min-max-avg	Yes	
Duty cycle	Yes	
Pulse width	Yes	
Isolated optical interface	Yes	
Auto/touch hold	Yes	
Reading memory	Yes	
Log to PC	Yes	
Interval/event logging	Yes	
Logging memory	up to 15,000 readings	

Fluke i400 specifications

Specifications	
Nominal current range	400 A
Continuous current range	1 A - 400 A
Maximum non-destructive current	1000 A
Lowest measurable current	1 A
Basic accuracy	2 % + 0.06 A
	(45-400 Hz)
	(% reading + floor spec)
Useable frequency	5 Hz - 20 kHz
Output level(s)	1 mA/A
Safety specifications	
Safety	CAT IV 600 V, CAT III, 1000 V
Maximum voltage	1000 V AC rms from earth to ground, in compliance with EN61010
Mechanical and general specifications	
Warranty	1 year
Maximum conductor diameter	32 mm (1.25 in)
Maximum conductor size (busbar)	750 MCM
Output cable length	1.5 m (59 in)
Shrouded banana plugs	Yes

Ordering information

Fluke-289/IMSK Industrial Multimeter Service Kit

Included

Fluke 289 Industrial Multimeter

Fluke i400 400 A AC Current Clamp

TL71 Hard Point Test Lead Set

AC175 Threaded Alligator Clip Set

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

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