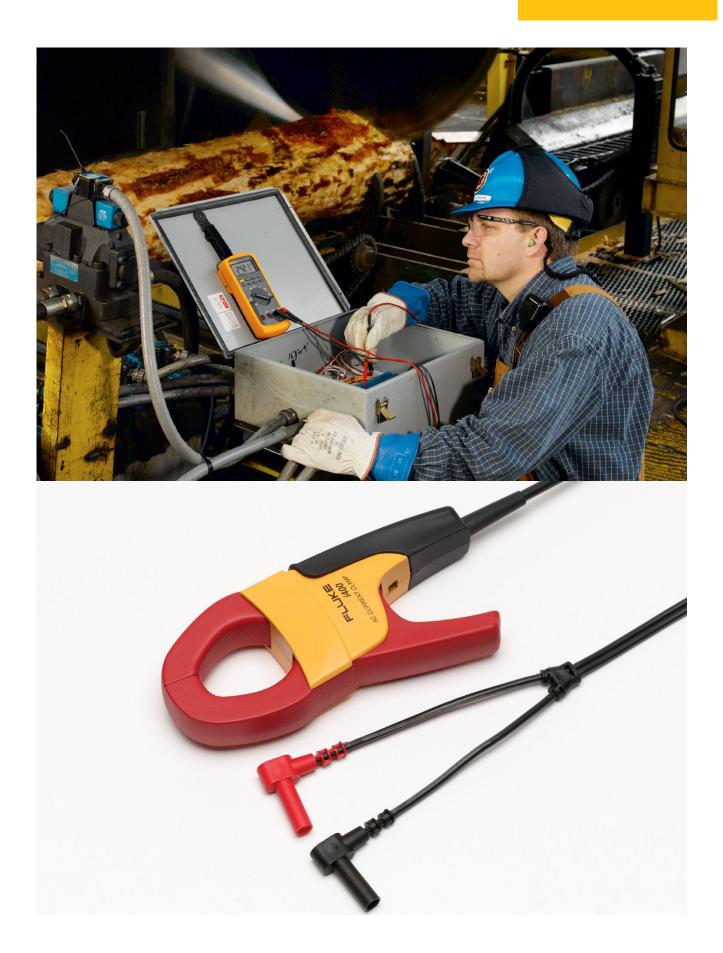


TECHNICAL DATA

Fluke 87V IMSK Industrial Multimeter Service Combo Kit













Key features

- Fluke-87V Multimeter has True-RMS accuracy and advanced functionality to give you the results you need
- Fluke-i400 AC 400A Current Clamp turns the 87V into a clamp meter
- Select accessories like temperature probe, test leads and alligator clips included

Product overview: Fluke 87V IMSK Industrial Multimeter Service Combo Kit

This combo kit is built around the Fluke 87V, the most widely used industrial digital multimeter in the world, combined with the i400 AC current clamp. Together they provide the resolution and accuracy to efficiently troubleshoot any electrical system. 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-87V Multimeter has true-rms accuracy and advanced functionality to give you the results you need

- True-rms accuracy with manual and automatic ranging, Display Hold, Auto Hold, and Min/Max-Average recording
- Efficiently troubleshoot motor drives, plant automation, power distribution, and electromechanical equipment even in loud, high-energy, and high-altitude locations
- A low pass filter supports accurate frequency measurements on VFDs and captures intermittents as fast 250 µS
- · Lifetime warranty, backed by a brand you trust.



Fluke-i400 AC 400A Current Clamp turns the 87V 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

- The 80BK-A DMM Temperature Probe plugs into the 87V's voltage jacks and allows temperature measurements from -40 °C to 260 °C (-40 °F to 500 °F)
- TL75 Test Leads and AC175 Alligator Clips complete this versatile kit.

Key safety features

- Safety rated CAT III 1000 V, CAT IV 600 V meter to get you home safely from the job.
- Designed to withstand spikes of more than 8000 V. Audible Input Alert warning against wrong use of input jacks.

Specifications: Fluke 87V IMSK Industrial Multimeter Service Combo Kit

Specifications		
Voltage DC	Maximum voltage	1000 V
	Accuracy	u00b1(0.05% + 1)
	Maximum resolution	10 u00b5V
Voltage AC	Maximum voltage	1000 V
	Accuracy	u00b1(0.7% + 2) True RMS
	AC bandwidth	20 kHz with low pass filter; 3 dB @ 1 kHz
	Maximum resolution	0.1 mV
Current DC	Maximum amps	10 A (20 A for 30 seconds maximum)
	Amps accuracy	u00b1(0.2% + 2)
	Maximum resolution	0.01 u00b5A
Current AC	Maximum amps	10 A (20 A for 30 seconds maximum)
	Amps accuracy	u00b1(1.0% + 2) True RMS
	Maximum resolution	0.1 u00b5A
Resistance	Maximum resistance	50 Mu03a9
	Accuracy	u00b1(0.2% + 1)
	Maximum resolution	0.1 u03a9
Capacitance	Maximum capacitance	9,999 u00b5F
	accuracy	u00b1(1% + 2)
	Maximum resolution	0.01 nF
Frequency	Maximum frequency	200 kHz
	Accuracy	u00b1(0.005% + 1)
	Maximum resolution	0.01 Hz



	Maximum duty cycle	99.9%	
Duty cycle	Accuracy	u00b1(0.2% per kHz + 0.1%)	
	Maximum resolution	0.1%	
Temperature measurement	u2013200.0 u00b0C u2013 1090 u00b0C ttu2013328.0 u00b0F u2013 1994.0 u00b0F ttexcluding probe		
80 BK temperature probe	u201340.0 u00b0C u2013 260 u00b0C ttu201340.0 u00b0F u2013 500 u00b0F, 2.2 u00b0C or 2% whichever is greater		
	Maximum conductance	60.00 nS	
Conductance	Accuracy	u00b1(1.0% + 10)	
	Maximum resolution	0.01 nS	
	Range	3 V	
Diode	Resolution	1 mV	
	Accuracy	u00b1(2% + 1)	
Duty cycle range	Accuracy	Within u00b1(0.2% per kHz + 0.1%)	
Environmental Specifications			
Operating temperature	u201320 u00b0C to + 55 u00b0C		
Storage temperature	u201340 u00b0C to + 60 u00b0C		
Humidity (without condensation)	0% u2013 90% (0 u00b0C u2013 35 u00b0C) tt0% u2013 70% (35 u00b0C u2013 55 u00b0C)		
Operating Altitude	2000 m		
Safety Specifications			
Overvoltage category	EN 61010u20131 to 1000 V CAT III, 600V CAT IV		
Agency approvals	CE, CSA, RCM		
Mechanical and General Specification	S		
Size	201 x 98 x 52 mm (with holster)		
Weight	355 g tt624 g u2013 with holster		
	Digital	6000 counts updates 4/sec. tt19,999 counts in highu2013resolution mode	
Display	Analog	32 segments, updates 40/sec	
	Frequency	19,999 counts, updates 3/sec at > 10 Hz	
Warranty	Lifetime	Lifetime	
Baery Life	Alkaline	~400 hours typical, without backlight	
Shock	1 Meter drop per IEC 61010u20131:2001		
Vibration	Per MILu2013PRFu201328800 for a Class 2 instrument		



Specifications: Fluke i400 AC Current Clamp

Specifications			
Nominal current range	400 A		
Continuous current range	1 A - 400 A		
Maximum non-destructive current	1000 A		
Lowest measurable current	1 A		
	2% + 0.06 A		
Basic accuracy	(45-400 Hz)		
	(% reading + floorspec)		
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-87V/IMSK

Fluke 87V IMSK Industrial Multimeter Service Kit

Optional accessories	Description
Fluke TPAK ToolPak™ Magnetic Meter Hanger	Powerful magnetic strap for safe, hands free measurements.
Fluke TLK289 - Industrial Master Test Lead Set	Fluke test leads, alligator clips and test probes broaden the ability to take meter measurements in different environments. Buy Online Now.
Fluke AC220 SureGrip™ Alligator Clips	SureGrip™ accessories are designed to improve steadiness in slippery hands.
Fluke Pack30 Professional Tool Backpack	The Fluke Pack30 tool backpack gives you a comfortable hands-free experience vs. traditional tool belts that put all the weight on your lower back.



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09/2024

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