

TECHNICAL DATA

# Fluke 179 IMSK Industrial Multimeter Service Kit



## The right tools, right where you need them

### Fluke 179 IMSK Industrial Multimeter Service Kit

This kit combines the Fluke 179 True-RMS DMM and the Fluke 323 True-RMS clamp meter. Both tools are rugged, reliable and accurate, as well as extremely easy to operate.

### Fluke 179 True-RMS Digital Multimeter

The Fluke 179 is the preferred solution for professional technicians around the world. It includes the features you need to troubleshoot and repair electrical and electronic systems:

- Delivers accurate true-rms AC current and voltage plus frequency, capacitance, resistance, continuity and diode measurements
- Increases productivity with manual and automatic ranging, Display Hold, Auto Hold, and Min/Max-average recording

### Fluke 323 True-RMS Clamp Meter

The Fluke 323 clamp meter provides true-rms measurements, optimized ergonomics, and large display for efficient troubleshooting. It's designed to perform in the toughest environments and provide noise-free, reliable results, so you can confidently diagnose problems almost anywhere.

- Rugged, reliable basic true-rms clamp meter for measuring current up to 400 A
- Measures AC current to 400 A
- Measures AC voltage and DC voltage to 600 V
- Provides true-rms AC voltage and current for accurate measurements on non-linear signals
- Measures resistance to 4 k $\Omega$  with continuity detection
- Features a CAT III 600 V, CAT IV 300 V safety rating

## TWO VERSATILE, RELIABLE TOOLS TO HELP SOLVE YOUR FRONT-LINE TROUBLESHOOTING PROBLEMS

- A full-featured, true-rms multimeter combined with a rugged, reliable basic true-rms clamp meter
- Ideal for troubleshooting electrical and electronic systems
- Measures up to 1000 V ac or dc (179 DMM) and up to 400 A ac (323 clamp)



# Specifications

## Fluke 179 True-RMS Digital Multimeter

<b>Detailed specifications</b>		
Voltage DC	Accuracy <sup>1</sup>	± (0.09 % + 2)
	Max. resolution	0.1 mV
	Maximum	1000 V
Voltage AC	Accuracy <sup>1</sup>	± (1.0 % + 3)
	Max. resolution	0.1 mV
	Maximum	1000 V
Current DC	Accuracy <sup>1</sup>	± (1.0 % + 3)
	Max. resolution	0.01 mA
	Maximum	10 A
Current AC	Accuracy <sup>1</sup>	± (1.5 % + 3)
	Max. resolution	0.01 mA
	Maximum	10 A
Resistance	Accuracy <sup>1</sup>	± (0.9 % + 1)
	Max. resolution	0.1 Ω
	Maximum	50 MΩ
Capacitance	Accuracy <sup>1</sup>	± (1.2 % + 2)
	Max. resolution	1 nF
	Maximum	10,000 μF
Frequency	Accuracy <sup>1</sup>	± (0.1 % + 1)
	Max. resolution	0.01 Hz
	Maximum	100 kHz
Temperature	Accuracy <sup>1</sup>	± (1.0 % + 10)
	Max. resolution	0.1 °C
	Maximum	-40 °C / 400 °C
<b>Environmental specifications</b>		
Operating temperature	-10° C to +50° C	
Storage temperature	-30° C to +60° C	
Humidity (without condensation)	0 % – 90 % (0° C – 35° C) 0 % – 70 % (35° C – 50° C)	
<b>Safety specifications</b>		
Overvoltage category	EN 61010-1 to 1000 V CAT III EN 61010-1 to 600 V CAT IV	
Agency approvals	UL, CSA, TÜV listed and VDE Pending	
<b>Mechanical and general specifications</b>		
Size	43 x 90 x 185 mm	
Weight	420 g	
Warranty	Lifetime	
Battery life	Alkaline ~200 hours typical, without backlight	

1. Accuracies are best accuracies for each function

**Fluke 323 True-RMS Clamp Meter**

<b>Detailed specifications</b>		
AC current	Range	400.0 A
	Accuracy	2 % ± 5 digits (45 Hz to 65 Hz) 2.5 % ± 5 digits (65 Hz to 400 Hz)
DC current	Range	-
	Accuracy	-
AC voltage	Range	600.0 V
	Accuracy	1.5 % ± 5 digits
DC voltage	Range	600.0 V
	Accuracy	1.0 % ± 5 digits
Resistance	Range	400.0 Ω/ 4000 Ω
	Accuracy	1.0 % ± 5 digits
Continuity	≤ 70 Ω	
Capacitance	-	
Frequency	-	
AC response	True-rms	
Backlight	-	
Data hold	Yes	
Contact temperature	-	
Min/Max	-	
Size	H x W x D (mm)	207 x 75 x 34
	Max wire diameter	30 mm (600 MCM)
	Weight	265 g
Category rating	CAT III 600 V CAT IV 300 V	
Warranty	Two-year	

**Ordering information**

**Fluke 179 IMSK Industrial Multimeter Service Kit**

**Included**

**Fluke 179 True-RMS Digital Multimeter**

**Fluke 323 True-RMS Clamp Meter**

**80BK-A DMM Temperature Probe**

**TL75 Hard Point Test Lead Set**

**AC175 Threaded Alligator Clip Set**

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

**Fluke Corporation**

PO Box 9090, Everett, WA 98206 U.S.A.

**Fluke Europe B.V.**

PO Box 1186, 5602 BD Eindhoven, The Netherlands

**For more information call:**

In the U.S.A. (800) 443-5853 or Fax (425) 446-5116

In Europe/M-East/Africa +31 (0)40 267 5100 or Fax +31 (0)40 267 5222

In Canada (800)-36-FLUKE or Fax (905) 890-6866

From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116

Web access: <http://www.fluke.com>

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