

TECHNICAL DATA

Fluke 179/61 Industrial Multimeter and Infrared Thermometer Combo Kit



Product overview: Fluke 179/61 Industrial Multimeter and Infrared Thermometer Combo Kit

Multimeter and Infrared Thermometer Combo Kit

Created for industrial, HVAC, and facility maintenance. Rugged true-rms multimeter with a built-in thermometer to troubleshoot electrical and electromechanical problems plus a laser guided, non-contact infrared thermometer for measuring rotating or energized equipment, packed in a durable carrying case.

Specifications: Fluke 179/61 Industrial Multimeter and Infrared Thermometer Combo Kit

Fluke 179 Digital Multimeter

Specifications

Voltage DC	Accuracy ¹	$\pm(0.09\% + 2)$
	Max. resolution	0.1 mV
	Maximum	1000 V
Voltage AC	Accuracy ¹	$\pm(1.0\% + 3)$
	Max. resolution	0.1 mV
	Maximum	1000 V
Current DC	Accuracy ¹	$\pm(1.0\% + 3)$
	Max. resolution	0.01 mA
	Maximum	10 A
Current AC	Accuracy ¹	$\pm(1.5\% + 3)$
	Max. resolution	0.01 mA
	Maximum	10 A
Resistance	Accuracy ¹	$\pm(0.9\% + 1)$
	Max. resolution	0.1 Ω
	Maximum	50 M Ω
Capacitance	Accuracy ¹	$\pm(1.2\% + 2)$
	Max. resolution	1 nF
	Maximum	10,000 μ F
Frequency	Accuracy ¹	$\pm(0.1\% + 1)$
	Max. resolution	0.01 Hz
	Maximum	100 kHz
Temperature	Accuracy ¹	$\pm(1.0\% + 10)$
	Max. resolution	0.1°C
	Range	-40°C/400°C

1. Accuracies are best accuracies for each function

Environmental Specifications

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)

Safety Specifications

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

Mechanical and General Specifications

Size	43 x 90 x 185 mm
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Weight	420 g
Warranty	Lifetime
Battery life	Alkaline ~200 hours typical, without backlight

Fluke 61 IR Thermometer

Specifications		
Backlit display for use in poorly lit areas	Yes	
Holds temperature readings	Yes	
Range	-18 to 275°C (-0 to 525°F)	
MIN/MAX/AVG	N/A	
Datalogging	N/A	
Distance to spot ratio	8:1	
Hi-Lo alarm	N/A	
Optional RTD probe (contact temperature measurement)	N/A	
Emissivity	Fixed at 0.95	
Measurement accuracy	-18°C (0°F) to -1°C (30°F)	±3°C (5°F)
	above -1°C (30°F) to 275°C (525°F)	±2% of reading or 2°C (3.5°F)
	(With the instrument stable between 23-25°C)	

Ordering information



FLUKE-179/61 KIT

Fluke 179/61 Industrial Multimeter and Infrared Thermometer Combo Kit

Includes:

- Fluke 179 True RMS Multimeter
- Fluke 61 Infrared Thermometer
- C800 Hard Meter and Accessory Case

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