



Fluke Test Equipment

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FLUKE 279 FC TRUE-RMS THERMAL MULTIMETER



Fluke 279 FC



Find. Repair. Validate. Report.

The industry first Fluke 279 FC is a full-featured digital multimeter with integrated thermal imaging and is designed to increase your productivity and confidence. The thermal multimeter helps you find, repair, validate, and report many electrical issues quickly so that you are confident problems are solved.

- Full-featured multimeter with built-in thermal imager
- 15 measurement functions including: AC voltage with low-pass filter, DC voltage, Resistance, Continuity, Capacitance, Diode test, Min/Max/Avg, AC current (with iFlex), Frequency
- Thermal imaging reveals many electrical issues quickly and safely, eliminating the need for time-consuming testing and validation
- Two-in-one tool is designed to increase productivity – no need to go back to the truck or office to retrieve a shared camera or wait for the thermographer – do more in less time
- iFlex expands your measurement capabilities – get into tight, hard to reach spaces for current measurement (up to 2500A AC)
- Save measurements and images while communicating wirelessly with a smart phone up to 6.1 metres away (no obstructions)
- Rechargeable lithium ion battery allows for a full work day (10+ hours) under normal conditions
- Image resolution: 80 x 60
- 3.5in / 8.89cm colour LCD screen
- CAT III 1000V, CAT IV 600V measurement category
- Three year warranty

Recommended Accessories



Recommended Kits



Specifications

DMM	
Basic DC Accuracy	0.09%
Bandwidth	1% 45Hz to 65Hz, full Time low pass Filter
Voltage	AC/DC 1000V
Current AC	iFlex Flexible Current Probe (included with the 279 FC/iFlex)
Resistance	50MΩ
Frequency	100kHz
Capacitance	9,999µF
Continuity with Beeper	Yes
Diode Test	Yes
Min/Max Recording	Yes
Display Hold	Yes
Infrared Camera	
Infrared Resolution	80 x 60
Image capture Frequency	8 Hz
Field of View	36° (w) x 27° (h)
NETD	≤200mK
Infrared Spectral Band	7.5 to 14 microns
Center Point	Yes (with center point Temp)
Focus Mechanism	Fixed focus
Temperature Range	-10°C to 200°C Accuracy: ±5°C or (±5% as tested)
Emissivity	0.95 fixed
Background Compensation	20°C fixed
Memory Storage	Approximately 100 Images (Internal)
File Format	Non-radiometric .is2
Other	
Battery Type	Rechargeable Lithium-ion Battery (Charge Time: 4.5 Hours)
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C
Relative Humidity	0% to 90% (0°C to 35°C) 0% to 75% (35°C to 40°C) 0% to 45% (40°C to 50°C)
Altitude	2,000 meters (6,561 feet)
Temperature Coefficient	Add 0.1 x specified Accuracy for each °C above 28°C or below 18°C
Ingress Protection	(IP) IP40 (non-operating)
Certifications	CE, CSA, FCC
Safety Compliance	IEC 61010-1: Pollution Degree 2; IEC 61010-2-033: CAT III 1000V/CAT IV 600V
EMC	EN 61326-1:2012
Size	215.9mm x 93.9mm x 57.1mm
Weight	0.793kg



Included Accessories

TL75 Test Leads, Rechargeable Lithium-ion Battery, Charger, 18-inch (45.72 cm) iFlex Flexible Current Probe, Hanging Strap, Soft Carrying Case. 279 FC I/B Kit also includes: Additional Lithium-ion Battery.

Ordering Information

Fluke 279 FC/iFlex	TRMS Thermal Multimeter with iFlex
Fluke 279 FC I/B Kit	TRMS Thermal Multimeter with iFlex and Extra Battery Kit

Models	Advanced Meters				Wireless Meters		Industrial Maintenance and Field Service Meters				Compact Meter			Insulation Testers		Specialty Meters			
	87 V	287	289	3000 FC	175	177	179	113	114	115	117	1577	1587 FC	27 II	28 II	28 IIE X	279 FC		
Basic Counts	20000	50000	50000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	20000	20000	6000		
True-RMS Readings	AC	AC+DC	AC+DC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC		
Basic DC Accuracy	0.05%	0.025%	0.025%	0.09%	0.15%	0.09%	0.09%	0.5%	0.5%	0.5%	0.5%	0.2%	0.09%	0.1%	0.05%	0.05%	0.09%		
Wide Bandwidth	20kHz	100kHz	100kHz	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	30kHz	20kHz	20kHz	•/•		
Auto/Manual Ranging	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•		
ATEX II 2G Ex ia IIC T4 Safety Rating Z1/Z2 Measurements																			
Voltage AC/DC	1000V	1000V	1000V	1000V	1000V	1000V	1000V	600V	600V	600V	600V	1000V	1000V	1000V	1000V	1000V	1000V		
Current AC/DC	10A	10A	10A	400mA	10A	10A	10A	10A	10A	10A	10A	400mA	400mA	10A	10A	10A	2500A AC (w/ iFlex)		
Resistance	50MΩ	50MΩ	50MΩ	50MΩ	50MΩ	50MΩ	50MΩ	40MΩ	40MΩ	40MΩ	40MΩ	50MΩ	50MΩ	50MΩ	50MΩ	50MΩ	50MΩ		
Frequency	200kHz	1MHz	1MHz	100kHz	100kHz	100kHz	100kHz	100kHz	100kHz	100kHz	100kHz	100kHz	100kHz	200kHz	200kHz	200kHz	200kHz		
Capacitance	9,999µF	1µF to 100µF	1µF to 100µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF	9,999µF		
Temperature	+1090°C	+1350°C	+1350°C	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	+1090°C		
dB	60dB	60dB	60dB	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	60 nS		
Duty Cycle/Pulse Width	50ns	50ns	50ns	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	60 nS		
Continuity/Diode Test	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•		
Motor Drive (ASD) Measurements																			
VoltAlert™ non-contact Voltage Detection VCHECK™																			
LoZ: Low Input Impedance																			
Insulation Test																			
Number of Insulation Test Ranges																			
Display																			
Removable Wireless Display																			
Dot Matrix Display																			
Dual Display																			
Analog Bargraph																			
Backlight																			
Graphical Trend Display																			
Diagnosics and Data																			
Min/Max Recording with Time Stamp																			
Fast Min/Max	250µs	250µs	250µs	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•		
Display Hold/Auto (Touch) Hold																			
Relative Reference																			
Stand-alone Logging																			
Trend Capture																			
Readings Memories																			
USB Interface																			
Other Features																			
Real Time Clock																			
Automatic Selection, AC/DC Volts																			
Closed Case Calibration																			
Separate Battery/Fuse Access																			
Operating Temperature Range	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•		
Warranty and Electrical Safety																			
Input Alert																			
IP Rating	IP30	IP30	IP30	IP54	IP42	IP42	IP42	IP42	IP42	IP42	IP42	IP42	IP42	IP67	IP67	IP67	IP40		
Safety Rating (EN 61010) CAT III	1000V	1000V	1000V	1000V	1000V	1000V	1000V	600V	600V	600V	600V	1000V	1000V	1000V	1000V	1000V	1000V		
Safety Rating (EN 61010) CAT IV	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V		

FLUKE 3000 FC WIRELESS DIGITAL MULTIMETER



Fluke 3000 FC



See it. Save it. Share it.

The Fluke 3000 FC True-RMS Wireless Multimeter and Fluke Connect® wireless test tools put tools, not your body, near live electrical panels. It's simple. Just de-energise the cabinet, open the panel while wearing PPE and connect the remote modules, whether they are voltage modules, current clamps, flexible current loops or thermometers. Then read the results on the 3000 FC Wireless Multimeter from a safe distance. You can display the meter measurement, plus readings from up to 3 wireless modules, while reducing the risk of arc flash by separating yourself from hazardous measurement situations.

Better still, the Fluke 3000 FC Series Wireless Multimeter can send measurement data to your smartphone, so you can save and share measurements from the field with your team anytime, from anywhere.

Other capabilities of Fluke Connect and the 3000 FC.

- Connect to your PC with USB dongle (optional) for analysis and diagnosis in detail Limited lifetime manufacturer's warranty
- Perform for analysis with your smartphone and the FC App and share the results using Fluke Cloud™ storage and ShareLive™ video call. View data or graphs to get input from team members

The Fluke 3000 FC Series Wireless Multimeter with the Fluke Connect app has all the essentials for convenient test and measurement troubleshooting.

- AC and DC voltage measurements to 1000V
- AC and DC current with 0.01 mA resolution
- Continuity, resistance, diode test, capacitance and frequency measurements
- MIN/MAX Recording
- CAT III 1000 V, Cat IV 600 V; IP54
- Three year warranty

Recommended Accessories



Recommended Kits

Buy more, Save more

Fluke 3000 FC General Maintenance System

Fluke 3000 FC Industrial System

Fluke 3000 FC HVAC System

Fluke 3000 FC/IAC-II Wireless Multimeter and Non-Contact Voltage Detector Kit

Fluke 3000 FC/EDA2 Wireless Multimeter and Deluxe Accessories Combo Kit

Fluke 3000 FC/TPAK Wireless Multimeter and Magnetic Hanger Combo Kit

Included Accessories

TL175 Test Leads, AC175 Alligator Clips, Manual Information Pack.

Ordering Information

FLK-3000 FC	FC Wireless Digital Multimeter
FLK-3000 FC GM	Wireless General Maintenance Kit
FLK-3000 FC IND	Wireless Industrial System Kit
FLK-3000 FC HVAC	Wireless HVAC System Kit
FLK-3000 FC /IAC-II	Wireless Multimeter & Non-Contact Voltage Detector Combo Kit
FLK-3000 FC /EDA2	Wireless Multimeter Deluxe Accessories Combo Kit
FLK-3000 FC /TPAK	Wireless Multimeter & Magnetic Hanger Combo Kit

Specifications

Functions	Range	Basic Accuracy
AC voltage	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000V	1.0 % + 3
DC voltage	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000V	0.09 % + 2
Continuity	600 Ω	Meter beeps at < 25 Ω, beeper detects opens or shorts of 250 μs or longer
Resistance	600 Ω, 600.0 Ω, 6.000 kΩ, 60.00 kΩ, 600.0 kΩ, 50.00 MΩ	0.5 % + 1
Diode test	2.000 V	1 % + 2
Capacitance	1000 nF, 10.00 μF, 100.0 μF, 9999 μF ¹	1.2 % + 2
mA AC (45 Hz to 1 kHz)	60.00 mA, 400.0 mA ³	1.5 % + 3
mA DC ²	60.00 mA, 400.0 mA ³	0.5 % + 3
Frequency	99.99 Hz, 999.9 Hz, 9.999 kHz, 99.99 kHz	0.1 % + 1

¹ In the 9999 μF range for measurements to 1000 μF, the measurement accuracy is 1.2 % + 2.

² Input burden voltage (typical): 400 mA input 2 mV/mA.

³ 400.0 mA accuracy specified up to 600 mA overload.

For all specifications: accuracy is specified for one year after calibration, at operating temperatures of 18 °C to 28 °C, with relative humidity at 0 % to 90 %. Accuracy specifications take the form of ± (% of Reading) + [Number of least significant digits].

FLUKE 280 SERIES TRUE-RMS LOGGING MULTIMETERS



Fluke 287



Find little problems before they become big

The Fluke 287/FC and 289/FC are the next generation in high performance industrial logging multimeters. These high performance industrial logging multimeters are designed to solve complex problems faster in many applications. Log data and review it graphically on-screen to help minimise downtime.

Communicate wirelessly with your smart phone directly from the field with the Fluke Connect® app and get quick answers or next step authorisations faster than ever before. It's as simple as adding the Fluke ir3000 FC Connector to the standard Fluke 287 and 289 (connector sold separately).

Full-featured multimeter with built-in thermal imager

- Large 50,000 count, 1/4 VGA dot matrix display with white backlight
- Logging function with expanded memory for unattended monitoring of signals over time. Using on-board TrendCapture, users can graphically review logged readings without needing a PC. Store up to 10,000 recorded events
- Save, name, and recall multiple logging sessions before PC download is necessary
- Field upgradeable and expandable meter lets you stay current as new capabilities are added.
- Two terminal 50 ohm range with 1 milliohm resolution, 10 mA source current. Useful for measuring and comparing differences in motor winding resistance or contact resistance (289/FC)
- Low-pass filter for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment (289/FC)
- Limited lifetime manufacturer's warranty

Features

	287	289
Multiple on-screen Displays	•	•
True-RMS AC Bandwidth	100kHz	100kHz
dBV/dBm	•	•
DC mV Resolution	1μV	1μV
Megohm Range up to	500MΩ	500MΩ
Conductance	50.00nS	50.00nS
Continuity Beeper	•	•
Elapse Time Clock/ Time of Day Clock	•	•
Min/Max/Avg/Duty Cycle/ Pulse Width	•	•
Isolated optical DMM Interface with USB PC Connection	•	•
Auto/Touch Hold	•	•
Over 200 Hours logging Capacity with new Power saving Function	•	•
Lo Ohm Capability	—	•
LoZ Volts	—	•
Low Pass Filter	—	•

Specifications

Functions	Range	Basic Accuracy
AC Volts or DC Volts	50.000mV, 500.00mV, 5.0000V, 50.000V, 500.00V, 1000.0V	0.025% 0.4% (True-RMS) (AC)
AC Current DC Current	500.00μA, 5000.0μA, 50.000mA, 400.00mA, 5.0000A, 10.000A	0.15% 0.7% (True-RMS)
Temperature (excluding Probe)	-200.0°C to 1350.0°C	1.0%
Resistance	50.000Ω, 500.00Ω, 5.0000kΩ, 50.000kΩ, 500.00kΩ, 5.0000MΩ, 50.00MΩ, 500.0MΩ	0.05%
Capacitance	1.000nF, 10.00nF, 100.0nF, 1.000μF, 10.00μF, 100.0μF, 1000μF, 10.00mF, 100mF	1.0%
Frequency	99.999Hz, 999.99Hz, 9.9999kHz, 99.999kHz, 999.99kHz	.005%

Recommended Accessories



Recommended Kits

Buy more, Save more

Fluke 287 FlukeView® Forms Combo Kit

Fluke 287 FlukeView® Forms Combo Kit with ir3000FC Connector

Fluke 289 FlukeView® Forms Combo Kit

Fluke 289 FlukeView® Forms Combo Kit with ir3000FC Connector

Included Accessories

TL175 Test Leads, AC175 Alligator Clips, Probe Holder, six AA Batteries (installed), Calibration Certificate Sheet.

Ordering Information

FLUKE-287	True-RMS Industrial Logging Multimeter with TrendCapture
FLUKE-289	True-RMS Electronics Logging Multimeter with TrendCapture
FLUKE-287/ FVF Kit	FlukeView Forms Combo Kit
FLUKE-289/ FVF Kit	FlukeView Forms Combo Kit
FLUKE-287/ FVF/IR3000 Kit	Industrial Logging Multimeter and Software Combo Kit
FLUKE-289/ FVF/IR3000 Kit	Industrial Logging Multimeter and Software Combo Kit
FLUKE-IR3000 FC	Fluke Connect® ir3000 Connector

FLUKE 83V AND 87V DIGITAL MULTIMETERS



Fluke 87V

Fluke 83V



Performance and Accuracy for maximum Industrial Productivity

The Fluke 80-V Series have improved measurement functions, troubleshooting features, resolution and accuracy to solve more problems on motor drives, in plant automation, power distribution, and electromechanical equipment.

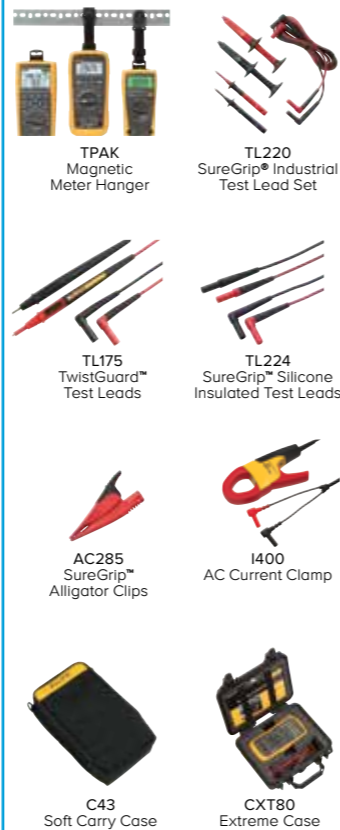
The Fluke 87V has a unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment. A built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument.

Electrical Safety

All inputs are protected to CAT III 1000 V and CAT IV 600 V. They can withstand impulses in excess of 8,000 V to help protect you from arc blast resulting from surges and spikes.

Limited lifetime manufacturer's warranty.

Recommended Accessories



Recommended Kits

Buy more, Save more



Fluke 87V/E2 Industrial Electrician's Combo Kit

Included Accessories

TL175 Test Leads, AC175 Alligator Clips, Yellow Holster (H80M excl. TPAK), 80BK Temperature Probe (87V only), 9 V Battery (installed), User Manual and Technical Notes.

Ordering Information

FLUKE-83V Industrial Multimeter
 FLUKE-87V True-RMS Industrial Multimeter
 FLUKE-87V /E2 Industrial Electrician Combo Kit

Features

	87V	83V
True-RMS AC Voltage and Current for accurate Measurements on non linear Signals	•	–
Selectable Filter for accurate Voltage and Frequency Measurements on Motor Drives	•	–
6000 Counts, 3-3/4 Digits	•	•
4-1/2 Digit Mode for precise Measurements (20,000 Counts)	•	–
Measure up to 1000V AC and DC	•	•
Built in Thermometer lets you carry one less Tool (TC Probe included)	•	–
Frequency to 200kHz and % Duty Cycle	•	•
Resistance, Continuity and Diode Test	•	•
10,000µF Capacitance Range for Components and Motor Caps	•	•
Min/Max-Average Recording with Min/Max Alert to capture Variations automatically	•	•
Battery Life with Backlight off		400 Hours
Size		201mm x 98mm x 52mm
Weight		355g

Specifications

Functions	Range	Basic Accuracy	
		87V	83V
DC Volts	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	0.05%	0.1%
AC Volts	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	0.7% (True-RMS)	0.5%
DC Current	600.0µA, 6.000µA, 60.00µA, 600.0mA, 6.000A, 10.00A	0.2%	0.4%
AC Current	600.0µA, 6.000µA, 60.00µA, 600.0mA, 6.000A, 10.00A	1.0% (True-RMS)	1.2%
Temperature (excl. Probe)	-200°C to 1090°C	1.0%	–
Temperature Probe	-40°C to 260°C	2.2°C or 2%	–
Resistance	600.0Ω, 6.000kΩ, 60.00kΩ, 600.0kΩ, 6.000MΩ, 50.00MΩ	0.2%	0.4%
Capacitance	10.00nF, 100.0nF, 1.000µF, 10.00µF, 100.0µF, 9.999µF	1.0%	1.0%
Frequency	199.99Hz, 1.9999kHz, 19.999kHz, 199.99kHz	0.005%	0.005%

FLUKE 170 SERIES DIGITAL MULTIMETERS



Fluke 179



Versatile Meters for Field Service or Bench Repair

The three models of the Fluke 170 Series True-RMS Digital Multimeters (179,177,175) have the features needed to find most electrical, electro-mechanical and heating and ventilation problems. They are simple to use and have significant improvements over Fluke's standards, and a much larger display that's easier to view.

- True RMS voltage and current measurements
- 0.09% basic accuracy (177, 179)
- 6000 count resolution
- Digital display with analog bargraph and backlight (177, 179)
- Manual and automatic ranging
- Display Hold and Auto Hold
- Frequency and capacitance measurements
- Resistance, continuity and diode measurements
- Temperature measurements (179)
- Min-max-average recording
- Smoothing mode allows filtering of rapidly changing inputs
- Easy battery exchange without opening the case
- Closed case calibration through front panel
- Ergonomic case with integrated protective holster
- EN61010-1 CAT III 1000V / CAT IV 600V
- Measures twice as fast as other multimeters
- Battery life: 200 hours typical for alkaline.
- Size (HxWxL): 4.3cm x 9.0cm x 18.5cm
- Limited lifetime manufacturer's warranty



Fluke 177



Fluke 175

Electrical Safety

All inputs are protected to measurement CAT III 1000 V and CAT IV 600 V. These meters can withstand transient impulses in excess of 8000 V to help protect you from arc blasts resulting from surges and spikes.

Features

	179	177	175
Max Voltage AC/DC	1000	1000	1000
True-RMS	•	•	•
Temperature	•	–	–
Basic DC Accuracy	0.09%	0.09%	0.15%
Backlight	•	•	–
Min/Max/Avg	•	•	•
Compatible with ToolPak™ Meter hanging Kit with Magnet	•	•	•
Limited Lifetime Warranty	•	•	•

Specifications

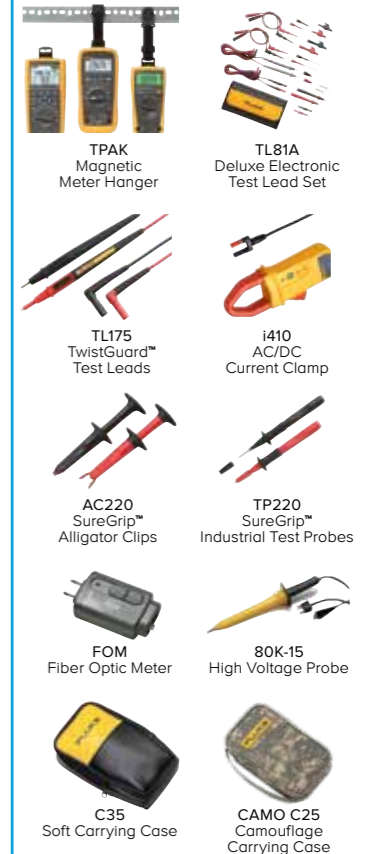
Functions	Range	Best Accuracy
DC Voltage	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	± 0.09% (177 and 179) ± 0.15% (175)
AC Voltage ¹	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	± 1.0% of reading
DC Current	60.00mA, 400.0mA, 6.000A, 10.00A2	± 1.0% of reading
AC Current ²	60.00mA, 400.0mA, 6.000A, 10.00A2	± 1.5% of reading
Resistance	600.0Ω, 6.000kΩ, 60.00kΩ, 600.0kΩ, 6.000MΩ, 50.00MΩ	± 0.9% of reading
Capacitance	1000nF, 10.00µF, 100.0µF, 9999µF	± 1.2% of reading
Frequency ³	99.99Hz, 999.9Hz, 9.999kHz, 99.99kHz	± 0.1% of reading
Temperature (Model 179)	-40°C to +400°C	1.0% of reading

¹ All AC voltage and AC current ranges are specified from 5% of range to 100% of range.

² 10A continuous, 20A for up to 30 seconds.

³ Voltage frequency is specified from 2Hz to 100kHz. Current frequency is specified from 2Hz to 30kHz.

Recommended Accessories



Recommended Kits

Buy more, Save more



Fluke 179/EDA2 Industrial Digital Multimeter Combo Kit

Included Accessories

Test Leads with 4mm Lantern Tips, 9V Battery (installed) and User Manual, 80BK Temperature Probe (179 only).

Ordering Information

FLUKE-175 True RMS Digital Multimeter
 FLUKE-177 True RMS Digital Multimeter
 FLUKE-179 True RMS Digital Multimeter
 FLUKE-179/EDA2 Electronics Combo Kit
 FLUKE-179/IMSK Industrial Multimeter Service Kit

FLUKE 110 SERIES TRUE-RMS DIGITAL MULTIMETERS



Fluke 116

Fluke 117



Dependable Digital Multimeters for Electrical and HVAC Purposes

All the models in the Fluke 110 Series are True-RMS Multimeters with a large 3-1/2 digit / 6,000 count display. The Fluke 117 includes integrated VoltAlert™ non-contact voltage detector and LoZ ghost voltage detector features to get the job done faster. The Fluke 116 is the HVAC/R Multimeter with temperature, microamps, and LoZ to quickly troubleshoot problems with HVAC/R equipment. The Fluke 115 is a compact meter for a wide variety of electrical/electronic testing applications, while the Fluke 114 and 113 are basic electrical troubleshooting meters designed for "go/no-go" testing.

- VoltAlert™ technology for integrated non-contact voltage detection (117)
- AutoVolt feature for automatic ac/dc voltage selection (117, 116, 114)
- Built in thermometer for HVAC applications (116)
- Microamps to test flame sensors (116)
- VCHEK™ LoZ low impedance measurement function to simultaneously test for voltage/continuity (113)
- LoZ: Low input impedance prevents false readings due to "ghost voltage" (117, 116, 114)
- Large display and white LED backlight to work in poorly lit areas more effectively
- Three year warranty

Recommended Accessories



Recommended Kits

Buy more. Save more



Included Accessories

TL75 Test Leads, Holster, 80BK Integrated Temperature Probe (116), User's Manual and 9V Battery (installed).

Ordering Information

FLUKE-113	Utility True RMS Digital Multimeter
FLUKE-114	Electrical True RMS Digital Multimeter
FLUKE-115	True RMS Digital Multimeter
FLUKE-116	HVAC True RMS Digital Multimeter
FLUKE-117	Adv. Electrical True RMS Multimeter
FLUKE-116/323	HVAC and Clamp Meter Combo Kit
FLUKE-116/62 MAX +	HVAC Multimeter and Infrared Thermometer Kit
FLUKE-117/323	Electrical Combo Kit
IB117K	117 Multimeter + Insulated Hand Tools Starter Kit

Specifications

Functions	117	116	115	114	113
AC/DC Voltage	600V	600V	600V	600V	600V
AC/DC Current	10A	600.0µA	10A	—	—
Resistance	40MΩ	40MΩ	40MΩ	40MΩ	60MΩ
Capacitance	1nF to 9,999µF	1nF to 9,999µF	1nF to 9,999µF	—	1nF to 9,999µF
Diode Test	•	—	•	—	•
Frequency	5Hz to 99.99kHz	5Hz to 99.99kHz	5Hz to 99.99kHz	—	—
Temperature	—	+400°C	—	—	—
Safety Rating	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V

Features

	117	115	113
VoltAlert™ Detector	•	—	—
AutoVolt/LoZ	•	—	LoZ
Analogue Bargraph	•	•	•
True-RMS for accurate Measurements on non-linear Loads	•	•	•
Min/Max Recording	•	•	•
Display Hold	•	•	•
3-1/2 Digits	•	•	•
6000 Counts	•	•	•
CAT III 600V Safety rated	•	•	•

	116	114
Temperature	•	—
Microamps	•	—
Frequency	•	—
Capacitance	•	—
Diode Test	•	—
AutoVolt/LoZ	•	•
Analogue Bargraph	•	•
True-RMS for accurate Measurements on non-linear Loads	•	•
Min/Max Recording	•	•
Display Hold	•	•
3-1/2 Digits	•	•
6000 Counts	•	•

FLUKE 27 II, 28 II AND 28 IIEX INDUSTRIAL IP67 DIGITAL MULTIMETERS



Fluke 27 II

Fluke 28 II



The 27 II, 28 II and 28 IIEX-AU Digital Multimeters are designed for tough work environments. All three meters have IP 67 waterproof and dustproof rating. They both have an extended operating temperature range of -15 °C to + 55 °C and 95 % humidity.

- Unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment (28 II, 28 IIEx)
- Built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument (28 II, 28 IIEx)
- Hi-resolution 20,000 count display mode (28 II, 28 IIEx)
- Resistance and continuity. Relative mode to remove test lead resistance from low ohms measurements
- Large digit display with bright, two-level backlight
- Backlit keypad buttons allow for easy visibility in low-lit areas
- Optional magnetic hanger for easy setup and viewing freeing your hands for other tasks
- Intrinsically safe certifications from the world's leading certification bodies (28 IIEx)
- Limited lifetime manufacturer's warranty

Specifications

Functions	27 II	28 II	28 II Ex
DC Voltage	Range: 0.1 mV to 1000 V Accuracy: 0.05 % +1	0.1 mV to 1000 V	0.05 % +1
AC Voltage	Range: 0.1 mV to 1000 V Accuracy: 0.5 % +3	0.1 mV to 1000 V	0.7 % +4
DC Current	Range: 0.1 µA to 10 A Accuracy: 0.2 % +4	0.1 µA to 10 A	0.2 % +4
AC Current	Range: 0.1 µA to 10 A Accuracy: 1.5 % +2	0.1 µA to 10 A	1.0 % +2
Resistance	Range: 0.1 Ω to 50 MΩ	0.1 Ω to 50 MΩ	0.1 Ω to 50 MΩ
Display Counts	6000	6000/19,999	6000/19,999
Capacitance	1 nF to 9999 µF	10 nF to 9999 µF	10 nF to 9999 µF
Frequency	0.5 Hz to 199.99 kHz	0.5 Hz to 199.99 kHz	0.5 Hz to 199.99 kHz
Temperature	-200 °C to +1090 °C	-200 °C to +1090 °C	-200 °C to +1090 °C
Low pass filter (measurement on VSD's)	Yes	Yes	Yes
Compliance	CAT IV 600 V, CAT III 1000 V	CAT IV 600 V, CAT III 1000 V	CAT IV 600 V, CAT III 1000 V
Measurement method	Avg. responding	True-RMS	True-RMS
Power	Two AAA batteries	Two AAA batteries	Two AAA batteries
Battery life	800 hours	400 hours	400 hours
Dimensions (DxWxH)	6.35 cm x 10.0 cm x 19.81 cm	6.35 cm x 10.0 cm x 19.81 cm	6.35 cm x 10.0 cm x 19.81 cm
Weight with holster	698.5 g	698.5 g	698.5 g

Features

	27 II	28 II	28 II Ex
Tested to withstand a 3 m drop	•	•	•
Wide 1000 V measurement range	•	•	•
True-RMS AC voltage and current for accurate measurements on non-linear signals	•	•	•
Low pass filter	•	•	•
Temperature	•	•	•
Average responding voltage and current measurements	•	—	—
10 A continuous (20 A for 30 seconds)	•	•	•
Frequency and capacitance	•	•	•
Record signal fluctuations using the Min/Max function	•	•	•

Specialty Models

Fluke 28 IIEx-AU Intrinsically Safe True-RMS Multimeter

CAT III 1000V/CAT IV 600V electrical safety rating

II 2 G Ex ia IIC T4



Recommended Accessories



Included Accessories

TL175 Test Leads, AC175 Alligator Clips, 80BK-A Temperature Probe (28 II), Holster, User Manual, and Three AA Batteries (installed).

Ordering Information

FLUKE-27II	Industrial Multimeter
FLUKE-28II	Industrial Multimeter
FLUKE-28IIEx/AU	Intrinsically Safe Industrial Multimeter

FLUKE 77IV DIGITAL MULTIMETER



Fluke 77IV

Versatile Multimeter for Field Service or Bench Repair

The Fluke 77IV Digital Multimeter has the features needed to repair most electrical and electronic problems. This meter is simple to use and has significant improvements over Fluke's original 70 Series with more measurement functions, conformance to the latest safety standards, and a much larger display that is easier to view.

- Wide 1000V measurement range
- Average responding AC measurements
- 0.3% accuracy
- 10 amps continuous
- Frequency and capacitance
- Resistance and continuity
- Large display
- Backlight for work in dim areas
- Min/Max to record signal fluctuations
- Integral holster with probe holders
- Free your hands with the optional TPAK magnetic hanger
- Auto and manual ranging
- Battery Life: 400 hours typical
- Weight: 0.42kg
- Size (HxWxD): 185mm x 90mm x 43mm
- Limited lifetime manufacturer's warranty



Recommended Accessories



Specifications

Functions	Maximum	Max. Resolution	Accuracy
Voltage DC	1000V	1mV	±(0.3%+1)
Voltage AC	1000V	1mV	±(2.0%+2)
Current DC	10A	0.01mA	±(1.5%+2)
Current AC	10A	0.01mA	±(2.5%+2)
Resistance	50MΩ	0.1Ω	±(0.5%+1)
Capacitance	9,999μF	1nF	±(1.2%+2)
Frequency	99.99kHz	0.01Hz	±(0.1%+1)

Accuracies are best accuracies for each function.

General Specifications

Accuracy is specified for 1 year after calibration, at operating temperatures of 18°C to 28°C, with relative humidity at 0 % to 90 %. Accuracy specifications take the form of ±[% of Reading] + [Counts].

V Maximum Voltage between any Terminal and Earth Ground	1000V
Surge Protection	8kV Peak per IEC 61010
W Fuse for mA Input	440mA, 1000V FAST Fuse
W Fuse for A Input	11A, 1000V FAST Fuse
Display	Digital: 6,000 Counts, updates 4/sec
Bar Graph	33 Segments, updates 32/sec
Frequency	10,000 Counts
Capacitance	1,000 Counts
Operating Altitude	2,000 Metres
Storage Altitude	12,000 Metres
Operating Temperature	-10°C to + 50°C
Storage Temperature	-40°C to + 60°C
Temperature Coefficient	0.1 X (specified Accuracy/°C (< 18°C or > 28°C))
Electromagnetic Compatibility (EN 61326-1:1997)	In an RF Field of 3V/M, Accuracy = specified Accuracy except in Temperature: specified Accuracy ± 5°C
Relative Humidity (maximum non-condensing)	90% to 35°C; 75% to 40°C; 45% to 50°C
Battery Life	400 Hours
Size (HxWxL) and Weight	185mm x 90mm x 43mm; 420 Grams
Safety Compliance	ANSI/ISA S82.02.01, CSA C22.2-1010.1, IEC 61010 to 1000V Measurement Category III, 600V Measurement Category IV
Certifications	CSA, TÜV (EN61010), UL, TI, (N10140), VDE

Included Accessories

Test Leads with 4mm Lantern Tips, 9V Battery (installed), Manual Information Pack.

Ordering Information

FLUKE-77-4 Digital Multimeter

FLUKE 8846A, 8845A AND 8808A PRECISION BENCH MULTIMETERS



Fluke 8846A



Fluke 8845A



Fluke 8808A



Fluke 8846A/8845A 6.5 Digit Precision Multimeters

These digital multimeters perform the functions you would expect to see in a multifunction DMM, including measuring volts, ohms and amps. Basic V DC accuracy of up to 0.0024 %, 10 A current range, and a wide ohms range give you an unbeatable combination of measurement capability.

Extend the meters' utility even more with their graphical display modes, including Trendplot™ paperless recorder mode, statistics and histograms – features you won't find on other multimeters.

- 6.5 digit resolution
- Up to 0.0024 % accuracy
- Graphical analysis modes: TrendPlot, Histogram and Statistics
- Dual measurement inputs: front/rear
- Dual measurement display
- Wide measurement range
- IEEE, LAN, RS-232 interfaces
- USB memory device port (8846A)
- TL2X4 wire measurement technique
- 17025 accredited report of calibration included
- Three year warranty

Fluke 8808A 5.5 Digit Multimeter

The Fluke 8808A multimeter has a broad range of functions, measuring volts, ohms and amps with a basic V DC accuracy of 0.015 %. The meter is easy to use and include innovative functions to simplify routine testing and precision 4 wire resistance measurements.

- Up to 0.015 % accuracy
- Dual measurement display
- Sensitive DC leakage current ranges
- Front panel setup keys
- TL2X4 wire measurement technique
- Three year warranty

Specifications

	8808A	8845A	8846A
Display	Dual	Dual, graphical	
Resolution (Digits)	5.5	6.5	
Measurements	V AC, V DC, I DC, I AC, Ω, Cont, Diode	V AC, V DC, I DC, I AC, Ω, Cont, Diode	
Basic V DC Accuracy (% Reading + % Range)	0.015 + 0.003	0.0035 + 0.0005	0.0024 + 0.0005
Advanced Measurements/Functions	2x4 Wire Ohms, freq, I-Leakage, dedicated Setup Keys	2x4 Wire Ohms, freq, period	2x4 Wire Ohms, freq, Period, Capacitance, Temp (RTD)
Math	Null, dBm, dB, Min, Max	Null, dBm, dB, Min, Max, Ave, Std Deviation, MX+B	
Analysis	Limit Compare	Limit Compare, TrendPlot, Histogram, Statistics	
USB Memory Device Port	-	-	•
Interfaces	RS-232, USB via optional Adaptor	RS-232, IEEE-488.2, LAN, USB via optional Adaptor	
Safety Rating	CAT I 1000V, CAT II 600V	CAT I 1000V, CAT II 600V	

Recommended Accessories



Sample Screens

Fluke 8846A/8845A



Built-in TrendPlot graphically plots extent of drift and intermittent events.



Critical measurement statistics are conveniently displayed together.

Included Accessories

LCI Line Power Cord, Test Lead Set, Spare Line Power Fuse, Programmers Manual / User Manual on CD-ROM, 884X-USB USB to RS232 Cable Adaptor, FVF-BASIC FlukeView® Forms Software Basic Version.

Ordering Information

- FLUKE 8808A 5.5 Digit Multimeter
- FLUKE 8808A/SU 5.5 Digit Multimeter (Software + Cable)
- FLUKE 8845A 6.5 Digit Precision Multimeter
- FLUKE 8845A/SU 6.5 Digit Precision Multimeter (Software + Cable)
- FLUKE 8846A 6.5 Digit Precision Multimeter
- FLUKE 8846A/SU 6.5 Digit Precision Multimeter (Software + Cable)

Calibration & Service Agreement units also available.



	570 Series Fluke 572-2	Fluke 568/568Exx	560 Series Fluke 566	Fluke 561	Fluke 64 MAX	60 Series Fluke 62 MAX+	Fluke 62 MAX
Temperature Range	-30 to 900°C	-40 to 800°C	-40 to 650°C	-40 to 550°C	-30 to 600°C	-30 to 650°C	-30 to 500°C
Distance to Spot	60:1:100 Offset Dual Laser, Output <1mW	50:0:100 Single-point Laser	30:0:100 Single-point Laser	12:0:1 Single-Point Laser	20:0:1 Single Laser	12:0:1 Dual Laser	10:0:1 Single Laser
Laser Sighting							
Accuracy	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.5%
Response Time	< 500mSec	< 500mSec	< 500mSec	< 500mSec	< 500mSec	< 300mSec	< 500mSec
Recommended Distance to Spot	Up to 9 m	Up to 7.5m	Up to 4.5m	Up to 2.5m	Up to 2m	Up to 2m	Up to 2m
Adjustable Emissivity	•	•	•	•	•	•	•
MIN/MAX Readings	•	•	•	•	•	•	•
AVG Readings	•	•	•	•	•	•	•
DIF Readings	•	•	•	•	•	•	•
Backlit LCD Display	•	•	•	•	•	•	•
Audible Hi/Lo Alarm	•	•	•	•	•	•	•
Visible Hi/Lo Alarm	•	•	•	•	•	•	•
Includes Contact Probe	•	•	•	•	•	•	•
Probe Input (types)	Thermocouple K	Thermocouple K	Thermocouple K	Thermocouple K	99 Points	99 Points	99 Points
Data Logging (no of measurements)	99 Points	99 Points	20 Points				
PC Interface	USB 2.0	USB					
FlukeView® Forms Software compatible	•	•					

Recommended Applications



Plant/Facilities Maintenance

- Preventive and Predictive Maintenance
- Energy Audits
- Vehicle and Fleet Maintenance Programs
- Faulty Electrical/Circuit Connections
- Petrochemical/Hazardous Locations
- Motors, Pumps and Bearings



Heating/Ventilation/Air Conditioning/Refrigeration

- Leaky Ductwork
- Thermostats
- Temperature Balancing
- Steam Distribution Systems
- Compressor Lines



Manufacturing Processes

- Molding Temperature Measurement
- Printing, Paper and Converting
- Thermoforming Plastics
- Electronics Paint Curing/Drying
- Food Chemical and Pharmaceutical



Safety and Protection

- Fire Localisation
- Hazardous Materials
- Faulty Ballasts
- Search and Rescue
- Smoldering Embers
- Equipment Maintenance

FLUKE 560 AND 570 SERIES INFRARED THERMOMETERS

Fluke 561, 566 and 568 Infrared and Contact Thermometers

With a straight-forward user interface and soft-key menus, the Fluke 561, 566 and 568 make even complex measurements easy. With just a few pushes of a button you can easily adjust emissivity, start data logging, or turn on and off alarms. With a rugged, easy-to-use design, the Fluke 561, 566 and 568 can stand up to tough industrial, electrical, and mechanical environments.



Fluke 568

Fluke 561

- Confidently measure more surfaces, with adjustable emissivity and built-in materials table
- Log and download measurements for reporting (568)
- Two levels of backlight (566, 568)
- Audible and visual alarms
- Min/Max/Dif functions
- Includes KTC bead probe and compatible with any k-type thermocouple
- Two year warranty

Speciality Model

Fluke 568Ex Intrinsicly Safe Infrared Thermometer



- Measure -40°C to 800°C
- 50:1 distance to spot ratio with dual laser sighting for fast, accurate targeting
- Display resolution 0.1°C of reading
- Adjustable emissivity and predefined emissivity table
- Safety Certification ATEX/IECEx for Class I, Div 1 and Div 2 or Zone 1 and 2 hazardous environments

Specifications

	561	566	568/568 Ex
Infrared Temperature Range	-40°C to 535°C	-40°C to 650°C	-40°C to 800°C
Accuracy	Greater of ± 1% or ± 1°C		
Distance to Spot (D:S)	12:1	30:1	50:1
Sighting	Laser Point		
Typical Distance to Target	Up to 2.5 m	Up to 4.5 m	Up to 7.5 m
Probe Type	Thermocouple K		
Contact Temperature Range	-40°C to 550°C	-270°C to 1372°C	
Number of on-board Memory Locations	—	20	99
Material Type Adjustment (Emissivity)	Hi/Med/Lo	Material Table or 0.1 to 1.00 by 0.01	
High and low Alarms	—	High and low Alarms	

Fluke 572-2 High Temperature Infrared Thermometer

The Fluke 572-2 Infrared Thermometer is the one product you can use in high temperature industrial environments all around the world. This is the best choice for when you need accurate results for high temperature readings from a long distance.



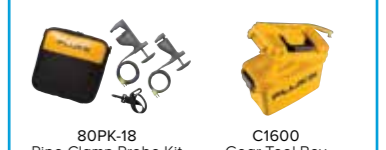
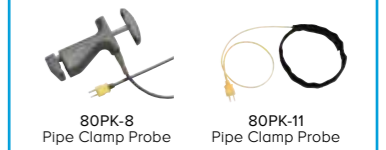
Fluke 572-2

- Measure -30°C to 900°C
- 60:1 distance to spot ratio with dual laser sighting for fast, accurate targeting
- Last reading Hold (20 seconds)
- High and low temperature alarm
- Data storage and review (99 data sets)
- Compatible with standard mini-connector K-type thermocouples, including ones you already own and have installed
- Current Temperature plus MAX, MIN, DIF, AVG temperature displays
- Adjustable emissivity and predefined emissivity table
- FlukeView® Forms documenting software
- Two year warranty

Specifications

	572-2
Infrared Temperature Range	-30°C to 900°C
Infrared Accuracy (Calibration Geometry with ambient Temperature 23°C ± 2°C)	≥ 0°C: ± 1°C or ± 1% of the Reading, whichever is greater ≥ -10°C to < 0°C: ± 2°C < -10°C: ± 3°C
Distance to Spot (D:S)	60:1 (calculated at 90% Energy)
Laser Sighting	Offset Dual Laser, Output <1mW
Hi/Low Alarms	Audible and two-colour visual
Min/Max/Avg/Dif	•
Trigger Lock	•
Data Storage	99 points
K-type Thermocouple Input Temperature Range	-270°C to 1372°C
K-type Thermocouple Input Accuracy (with ambient Temperature 23°C ± 2°C)	< -40°C: ± (1°C + 0.2%/°C) ≥ -40°C: ± 1% or 1°C, whichever is greater

Recommended Accessories



Included Accessories

560 Series: Thermocouple K-type Velcro Pipe Probe (561 only), K-type Thermocouple Bead Probe (566 & 568 only), FlukeView® Forms Software (568 only), USB Cable (568 only), Hard Carrying Case, two AA Batteries and User Manual with Measurement Guide.

572-2: K-type Thermocouple Bead Probe, USB 2.0 Computer Interface Cable, FlukeView® Forms Documenting Software, Hard Carrying Case, Getting Started Guide and User Manual (CD)

Ordering Information

FLUKE-561	HVACPro Infrared Thermometer
FLUKE-566	IR Thermometer
FLUKE-568	IR Thermometer
FLUKE-568 Ex	Intrinsicly Safe IR Thermometer

FLUKE 60 SERIES INFRARED THERMOMETERS



Fluke 62 MAX, 62 MAX+ and New 64 MAX IR Thermometers

The Fluke 62 MAX, 62 MAX+ and new 64 MAX IR Thermometers have the precision you need to do your job accurately and will not break the budget. Designed and tested to survive a 3 metre drop, you can count on these lightweight, compact infrared thermometers to work when you need them to work—even in the harshest environments and when you're not able to be there.

- Precise laser technology for more accurate and repeatable measurements
- Temperature accuracy of up to $\geq 0^\circ\text{C}$: $\pm 1^\circ\text{C}$ or $\pm 1\%$ of reading whichever is greater with 20:1 distance to spot ratio (64 MAX)
- Flashlight (64 MAX) and large, easy-to-read backlit LCD display for easy viewing even in dark environment
- IP54 rated for extra protection against airborne contaminants
- Get your tool to work when you can't—set time and desired interval between measurements and Auto Capture will capture spot temperatures unattended (64 MAX)
- 99 data point logging (64 MAX)
- Displays the minimum, maximum or average temperature, or the difference between two measurements
- Hi & Lo alarms for rapid display of measurements outside set limits
- Dual rotating lasers to help you identify area to be measured (62 MAX+)
- Small and lightweight, fits easily into your tool box
- Three year warranty

Recommended Accessories



Recommended Kits

Buy more, Save more

Fluke T5-600/62 MAX+/1AC-II Infrared Thermometer and Electrical Tester Kit

Fluke T6-600/62 MAX+/1AC-II Infrared Thermometer and Electrical Tester Kit

Fluke 116/62 MAX+ Technician's Combo Kit

Fluke 414D/62 MAX and Laser Distance Meter/Infrared Thermometer Combo Kit

Specifications

	62 MAX	62 MAX+	64 MAX
Temperature Range	-30°C to 500°C	-30°C to 650°C	-30°C to 600°C
Accuracy	$\pm 1.5^\circ\text{C}$ or $\pm 1.5\%$ of reading, whichever is greater -10°C to 0°C: ± 2.0 -30°C to -10°C: ± 3.0	$\pm 1.0^\circ\text{C}$ or $\pm 1.0\%$ of reading, whichever is greater -10°C to 0°C: ± 2.0 -30°C to -10°C: ± 3.0	$\pm 1.0^\circ\text{C}$ or $\pm 1.0\%$ of reading, whichever is greater $\pm 2.0^\circ\text{C}$ at -10°C to 0°C $\pm 3.0^\circ\text{C}$ at -30°C to -10°C
Emissivity		0.10 to 1.00	
Optical Resolution	10:1 (calculated at 90% energy)	12:1 (calculated at 90% energy)	20:1 (calculated at 90% energy)
Compliance		EN/IEC 61010-1: 2001	
Laser Safety		FDA and EN 60825-1 Class II	

Included Accessories

Fluke 64 MAX, 62 MAX and 62 MAX+: Two AA Batteries and Instruction Sheet.

Ordering Information

FLUKE-62 MAX	Single Laser IR Thermometer, 10:1 Spot
FLUKE-62 MAX PLUS (+)	Dual Laser IR Thermometer, 12:1 Spot
FLUKE 62 MAX+ /323/1AC	IR Thermometer Clamp Meter and Voltage Detector Kit
FLUKE-64 MAX	IR Thermometer
FLUKE-T6-600/62MAX+/1AC	T6-600 Tester, 62MAX+ & 1AC-II Combo Kit
1587KIT/62 MAX+	2-in-1 ADV Elec Kit with 62MAX+ i400 AC Current Clamp

FLUKE 50 SERIES II THERMOMETERS



Lab Accuracy in a Field Thermometer

The Fluke 50 Series II Contact Thermometers offer fast response and laboratory accuracy in a rugged handheld test tool.

- Laboratory accuracy: $\pm (0.05\% + 0.3^\circ\text{C})$
- Large backlit dual display
- Min/Max/Avg
- Electronic offset function maximises overall accuracy
- Supports a wide range of thermocouple types
- Temperatures displayed in $^\circ\text{C}$, $^\circ\text{F}$, or Kelvin (K)
- Three year warranty

Powerful Data-logging Capabilities

The Fluke 53 II B and 54 II B can log up to 500 points of data to internal memory.

- User-adjustable recording intervals
- Real-time clock captures the exact event time
- Recall function lets logged data be easily reviewed
- Download data to optional FlukeView® PC software



Speciality Model

FlukeFoodPro™ Food Safety Thermometers

The Fluke FoodPro Thermometer Series provides a complete temperature measurement and monitoring solution for food service professionals. It includes two useful temperature inspection tools, which are designed to enable foodservice professionals to quickly and accurately measure food product temperatures and to help detect potential food safety problems.

The Fluke FoodPro non-contact thermometer is the first line of defense against improper receiving, storage and holding temperatures. Using an infrared measurement technique, the highly accurate FoodPro quickly reads surface temperatures, allowing workers to make rapid and frequent temperature measurements – faster than contact units and without fear of cross contamination. The easy-to-see illumination light shows you the measurement area.

Specifications

	51 II	52 II	53 II B	54 II B
Thermocouple Types	J,K,T,E	J,K,T,E	J,K,T,E,N,R,S	J,K,T,E,N,R,S
Number of Inputs	Single	Dual	Single	Dual
Time Stamp	Relative Time	Relative Time	Time of Day	Time of Day
Splash/Dust Resistant	•	•	•	•
Dual Display with Backlight	•	•	•	•
Min/Max/Avg Recording	•	•	•	•
(T ₁ -T ₂) True Differential	-	•	-	•
Data Logging up to 500 Points	-	-	•	•
IR Data Port for Interface to PC	-	-	•	•
Compatible with FlukeView® Software	-	-	•	•
Battery Life		1000 Hours typical, AA		
Size (H x W x D)		173 x 86 x 38mm		
Weight		0.4g		

Temperature Range and Accuracy

J-type Thermocouples	-210°C to 1200°C
K-type Thermocouples	-200°C to 1372°C
T-type Thermocouples	-250°C to 400°C
E-type Thermocouples	-150°C to 1000°C
N-type Thermocouples	-200°C to 1300°C
R- and S-type Thermocouples	0°C to 1767°C
Temperature Accuracy above -100°C:	
J, K, T, E, and N-type	$\pm [0.05\% + 0.3^\circ\text{C}]$
R and S-type	$\pm [0.05\% + 0.4^\circ\text{C}]$
Temperature Accuracy below -100°C:	
J, K, E, and N-types	$\pm [0.20\% + 0.3^\circ\text{C}]$
T-type	$\pm [0.50\% + 0.3^\circ\text{C}]$

Included Accessories

Fluke 50 Series Thermometers: Impact Absorbing Holster, Two Bead Probe Thermocouples 80PK-1 (54 and 52 only), One Bead Probe Thermocouple, 80PK-1 (51 and 53 only).

Fluke FoodPro (FP): AA Battery and Quick Start Guide.

Ordering Information

FLUKE-51 II	Single Input Digital Thermometer
FLUKE-52 II	Dual Input Digital Thermometer
FLUKE 53 II B	Single Input Digital Thermometer w/ Data Logging
FLUKE 54 II B	Dual Input Digital Thermometer
FLUKE FP	FoodPro™ Food Safety Thermometer

FLUKE 1587 FC AND 1577 INSULATION MULTIMETERS



Fluke 1587 FC

Fluke 1577



Two powerful Tools in one

The Fluke 1587 FC and 1577 Insulation Multimeters combine a digital 1 kV insulation tester with a full-featured, true-RMS digital multimeter in a single compact, handheld unit, which provides maximum versatility for both troubleshooting and preventive maintenance.

- Insulation test (1587 FC: 0.01MΩ to 2GΩ) (1577: 0.1MΩ to 600MΩ)
- Insulation test voltages (1587 FC: 50V, 100V, 250V, 500V, 1000V), (1577: 500V, 1000V) for many applications
- Live circuit detection prevents insulation test if voltage > 30V is detected for added user protection
- Auto-discharge of capacitive voltage for added user protection
- Filter for motor drive measurements (1587 FC only)
- AC/DC voltage, DC millivolts, AC/DC milliamps, resistance (Ω), and continuity
- Capacitance, diode test, temperature, Min/Max, and frequency (Hz) (1587 FC only)
- Auto power off to save battery power
- Large display with backlight and large digits
- Included accessories: Remote probe, test leads and probes, alligator clips, (Type K thermocouple, 1587 FC only)
- Accepts optional Fluke TPAK magnetic hanging system to free your hands for other work
- Rugged, utility hard case allows you to bring everything you need for the job
- Three year warranty

The Fluke 1587 FC Insulation Multimeter adds four powerful diagnostic functions through the Fluke Connect® Measurements app:

- P/DAR timed ratio tests with Trendit™ graphs identifies moisture and contaminated insulation problems faster
- Memory storage through Fluke Connect eliminates writing down results, reduces errors and saves data for historical tracking over time
- Temperature Compensation through app for establishing accurate baselines and relevant historical comparisons

Specifications

	1587 FC	1577
Insulation Test Voltages 50V, 100V, 250V, 500V, 1000V	•	–
Insulation Test Voltages 500V, 1000V	–	•
Insulation Resistance	0.01MΩ to 2.0GΩ	0.1MΩ to 600MΩ
Auto-Discharge of capacitive Voltage	•	•
Insulation Test Smoothing Reading	•	–
Frequency	•	–
Capacitance	•	–
Diode Test	•	–
Temperature	•	–
Min/Max	•	–
Low-pass Filter (for Work on VSDs)	•	–
AC/DC Voltage	•	•
DC Millivolts	•	•
AC/DC Milliamps	•	•
Resistance	0.1Ω to 50MΩ	0.1Ω to 50MΩ
Continuity	•	•
Remote Probe, Test Leads, Alligator Clips	•	•
Type K Thermocouple	•	–
Rugged, Utility Hardcase	•	•
Auto Power-off	•	•



Recommended Accessories



Recommended Kits

Buy more, Save more



Fluke 1587/i400 Current Clamp FC Kit



Fluke 1587 FC Advanced Electrical Troubleshooting Kit



Fluke 1587 FC/MDT Advanced Motor and Drive Troubleshooting Kit

Included Accessories

Remote Probe, Test Leads, Alligator Clips, K-type Thermocouple (1587 FC only), Hard Case, User Documentation.

Ordering Information

FLUKE-1577	Utility True RMS Digital Multimeter
FLUKE-1587T	Insulation Multimeter for Telecommunications
FLUKE-1587FC	Insulation Multimeter with Fluke Connect
FLUKE-1587/MDT FC Kit	FC 2-in-1 Adv Motor & Drive Kit w/9040, i400
FLUKE-1587/i400 FC KIT	FC 2-in-1 Insulation Multimeter with i400
1587KIT/62MAX+FC	FC 2-in-1 Adv Elec Kit w/ 62MAX+ i400

FLUKE 1507 AND 1503 INSULATION RESISTANCE TESTERS



Fluke 1507

Fluke 1503



These lightweight, affordable insulation testers are perfect for troubleshooting, commissioning and preventive maintenance applications.

- These lightweight, affordable insulation testers are perfect for troubleshooting, commissioning and preventive maintenance applications.
- Automatic calculation of polarisation index and dielectric absorption ratio (1507 only)
- Multiple test voltages: 50V, 100V, 250V, 500V, 1000V (1507 only)
- Remote test probe for rapid testing
- Insulation test range 0.01MΩ to 10GΩ (1507), 0.1 MΩ to 2000MΩ (1503)
- Compare (Pass/Fail) function for repetitive tests (1507 only)
- Live circuit detection prevents insulation test if voltage > 30V is detected
- Auto-discharge of capacitive voltage
- AC/DC voltage: 0.1V to 600V
- Lo ohms/Earth-bond continuity (200mA) for checking connections and motor windings
- Resistance: 0.01Ω to 20.00Ω
- One year warranty

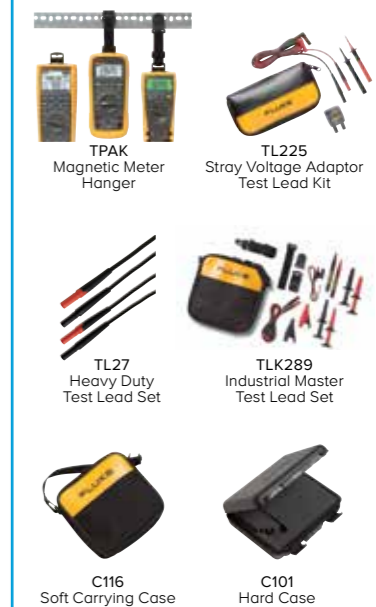
Specifications

	1503	1507
User-selectable Test Voltages for many Applications	•	•
Additional Test Voltages 50V, 100V, 250V	–	•
Special Remote Control Probe for easy and safe Measurements	•	•
Auto-Discharge of Capacitive Voltage for added User Protection	•	•
Live Circuit Detection prevents Insulation Test if Voltage > 30V is detected for added User Protection	•	•
Save both Time and Money with automatic Calculation of Polarisation Index and dielectric Absorption Ratio	–	•
Auto Power-off to save Batteries	•	•
Large Display with Backlight	•	•
Continuity Function (200mA)	•	•
Compare Function (pass/fail) for fast repetitive Tests	–	•

Specifications

Insulation	1503	1507
Insulation Test Range	0.1MΩ to 2000MΩ	0.01MΩ to 10GΩ
Test Voltages	500V, 1000V	50V, 100V, 250V, 500V, 1000V
Test Voltage Accuracy	+ 20%, - 0%	+ 20%, - 0%
Insulation Test Current	1mA nominal	1mA nominal
AC/DC Voltage Measurement	600V (0.1V resolution)	600V (0.1V resolution)
Resistance Measurement Range	0.01Ω to 20kΩ	0.01Ω to 20kΩ
Auto Discharge	Discharge time < 0.5 second for C = 1μF or less	Discharge time < 0.5 second for C = 1μF or less
Maximum Capacitive Load	Up to 1μF	Up to 1μF
Open Circuit Test Voltage	> 4V, < 8V	> 4V, < 8V
Short Circuit Current	> 200mA	> 200mA
General		
Battery Life	Meter: 1000 hours Insulation Test: >1000 tests	
Size (H x W x D)	203mm x 100mm x 50mm	
Weight	0.55kg	

Recommended Accessories



Insulation Test at a distribution Panel



Wiring Test in a small Distribution Box – all in one Spot

Included Accessories

TL224 Test Leads, TP74 Test Probes, Clips PN 1958654 (red) and PN 1958646 (black), Holster, Remote Probe and User Manual.

Ordering Information

FLUKE-1507	Insulation Tester
FLUKE-1503	Insulation Tester

Clamp Meters

FLUKE 381 REMOTE DISPLAY TRUE-RMS AC/DC CLAMP METER WITH IFLEX™



Fluke 381



The world's most advanced clamp meter

The Fluke 381 True-RMS AC/DC Clamp Meter combines iFlex flexibility with remote reading capability for the ultimate in innovation and safety. Now one technician can do jobs that would otherwise require two people. Clamp the Fluke 381 around a conductor, remove the display and walk across the room to operate controls or remove protective equipment, all while watching real-time readings.

The iFlex™ Flexible Current Probe (included) expands the measurement range to 2500 A AC while providing increased display flexibility. With a cord that runs 6 feet, you can finally measure those tight spaces, awkward sized conductors and disorganised wires.

- Remote display reads measurements up to 91 metres away
- iFlex Flexible Current Probe included, 18 inch circumference
- 2500 A AC current measurement with iFlex
- 999.9 A AC and DC current measurement with fixed jaw
- 1000 V AC and DC voltage measurement
- Frequency measurement to 500 Hz
- 60 kΩ resistance measurement
- Min/Max/Avg and inrush recording
- CAT IV 600 V, CAT III 1000 V
- Three year warranty

Recommended Accessories



Included Accessories

18-inch iFlex™ Flexible Current Probe, Test Leads, Soft Carrying Case, Instruction Card, Safety Information Sheet, Two AA Alkaline Batteries.

FLUKE 365 DETACHABLE JAW TRUE-RMS AC/DC CLAMP METER



Fluke 365



Where rugged meets reliable

The Fluke 365 True-RMS AC/DC Clamp Meter offers a small, detachable jaw with 1.2 metres of coil that makes it easy to take and read measurements in tight or hard-to-reach places.

- 200 A AC and DC current measurement with detachable jaw
- 600 V AC and DC voltage measurement
- Detachable jaw makes accessing wires and viewing the display easier
- Built in flashlight/torch allows for easy illumination and identification of wires
- CAT III 600 V
- Compact design fits in your hand and can be used while wearing protective equipment
- State of the art signal processing allows for use in noisy electrical environments while providing stable readings
- Large, easy to read, backlight display automatically sets the correct measurement range so you do not need to change switch positions while taking a measurement
- Three year warranty

Recommended Accessories



Included Accessories

Test Leads, Soft Carrying Case, Instruction Card, Safety Information Sheet, Two AA Alkaline Batteries.

FLUKE 370 SERIES CLAMP METERS



Fluke 376 FC with iFlex™



Be ready for anything

The Fluke 370 Series of True-RMS Clamp Meters provides a range of state-of-the-art features to meet even the most demanding job requirements. All four of the clamp meters have improved base features such as a large, backlit display, true-RMS standard, CAT IV safety rating and a durably constructed body.

Additionally, the 376 FC, 375 FC and 374 FC are a part of the Fluke Connect® family of wireless test tools and are compatible with the iFlex™ Flexible Current Probe (included with the 376 FC, sold separately for the 375 FC and 374 FC), and provide increased measurement readings to 1000 A and 1000 V AC and DC.

Three year warranty.



Fluke 375 FC Fluke 374 FC Fluke 373

Recommended Accessories



Fluke Connect® Enabled

The Fluke 376 FC, 375 FC, and 374 FC are a part of the Fluke Connect family of wireless test tools.

- Trend measurements, pinpoint intermittent faults and transmit results wirelessly by connecting your meter to your phone via Fluke Connect Measurements app
- Create and send reports right from the field
- Stay safely away from the arc flash zone through Bluetooth connectivity

Specifications

Functions	Range	373	374 FC	375 FC	376 FC
AC Current	0 to 600.0 A	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	–
	0 to 999.9 A	–	–	–	2% ± 5 counts
DC Current	0 to 600.0 A	–	2% ± 5 counts	2% ± 5 counts	–
	0 to 999.9 A	–	–	–	2% ± 5 counts
AC Voltage	0 to 600.0 V	1% ± 5 counts	–	–	–
	0 to 1000 V	–	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts
DC Voltage	0 to 600.0 V	1% ± 5 counts	–	–	–
	0 to 1000 V	–	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts
Resistance Range		0 to 6000 Ω	0 to 6000 Ω	0 to 6000 Ω	0 to 60 kΩ
Display Counts		32 mm	34 mm	34 mm	34 mm
Capacitance		750 MCM	750 MCM	750 MCM	750 MCM
Weight with holster		–	–	500 Hz	500 Hz

Fluke iFlex™ Flexible Current Probe



Unprecedented measurement flexibility

The iFlex Flexible Current Probe expands the measurement range of select Fluke Clamp Meters to 2500 A AC while providing increased display flexibility, improved wire access and the ability to measure awkward-sized conductors. Available in 18 inch and 10 inch coil sizes.

- Compatible to Fluke 374 FC, 375 FC, 376 FC and 381
- CAT IV 600 V, CAT III 1000 V
- 7.5 mm coil diameter allows measurement in tight spaces
- 1.8 m cable
- Three-year warranty

Visit www.fluke.com/au/clamps for additional specifications.

Included Accessories

18-inch iFlex™ Flexible Current Probe (Fluke 376FC only), Test Leads, Soft Carrying Case, Instruction Card, Safety Information Sheet, Two AA Alkaline Batteries.

Ordering Information

- FLUKE-373 True-RMS AC Clamp Meter
- FLUKE-374 True-RMS AC/DC FC Clamp Meter
- FLUKE-375 True-RMS AC/DC FC Clamp Meter
- FLUKE-376 True-RMS AC/DC FC Clamp Meter with iFlex™
- i2500-10 iFlex™ Flexible Current Probe 25 cm
- i2500-18 iFlex™ Flexible Current Probe 45 cm

FLUKE 320 SERIES TRUE-RMS CLAMP METERS



Fluke 324
Fluke 323
Fluke 325



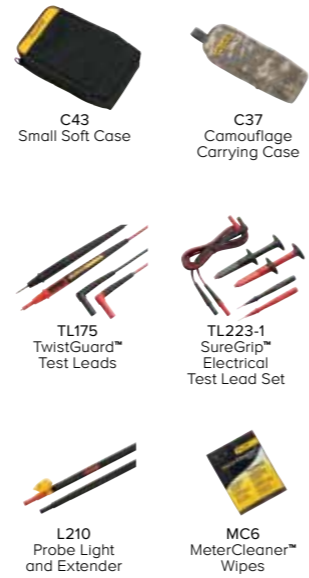
Go to Work with the Best

True-RMS measurements and optimised ergonomics make the Fluke 320 Series True-RMS Clamp Meters the best general troubleshooting tools for commercial and residential electricians. The 323, 324 and 325 are designed to verify the presence of load current, AC voltage and continuity of circuits, switches, fuses and contacts. These small and rugged clamp meters are ideally suited for current measurements up to 400 A in tight cable compartments.

The Fluke 325 also offers DC current and frequency measurements.

- 400A AC current measurement (AC and DC current; 325 only)
- 600V AC and DC voltage measurement
- True-RMS AC voltage and current for accurate measurements on non-linear signals
- Resistance measurement to up to 40kΩ with continuity detection
- Temperature and capacitance measurement (324 and 325 only)
- Frequency measurement (325 only)
- Slim, ergonomic design
- Large, easy to read backlight display (324 and 325 only)
- CAT IV 300V/CAT III 600V safety rating
- Hold button
- Two year warranty

Recommended Accessories



C43 Small Soft Case
C37 Camouflage Carrying Case
TL175 TwistGuard™ Test Leads
TL223-1 SureGrip™ Electrical Test Lead Set
L210 Probe Light and Extender
MC6 MeterCleaner™ Wipes

Specifications

	Residential/Commercial Electrical		Light Industrial
Measurements	323	324	325
AC Current	•	•	•
AC Voltage	•	•	•
Resistance	•	•	•
Continuity	•	•	•
DC Volts	•	•	•
DC Current	–	–	•
True-RMS	•	•	•
Frequency	–	–	•
Min/Max/Avg	–	–	•
Temperature	–	•	•
Capacitance	–	•	•

Display

Display Hold	•	•	•
Backlight	–	–	•

Specifications

Jaw Opening	30mm		
Max Wire Size	600MCM		
Current Range AC RMS	0 to 400.0A		
Accuracy AC Current (50/60Hz)	2.0% ± 5 Digits	1.5% ± 5 Digits	2.0% ± 5 Digits
AC Response	True-RMS		
Current Range DC	–	–	0 to 400A
Accuracy DC Current	–	–	2.0% ± 5 Digits
Voltage Range AC	0 to 600.0V		
Accuracy AC Voltage	1.5% ± 5 Digits		
Voltage Range DC	0 to 600.0V		
Accuracy DC Voltage	1% ± 5 Digits		
Resistance Range	0 to 4000Ω	–	0 to 40kΩ
Frequency Measurement Range	–	–	500Hz



Included Accessories

Test Leads, Soft Case, User Manual

Ordering Information

FLUKE-323	True RMS Clamp Meter
FLUKE-324	True RMS Clamp Meter
FLUKE-325	True RMS Clamp Meter

FLUKE 350 SERIES AC/DC TRUE-RMS CLAMP METERS



Fluke 353
Fluke 355



Versatile, professional and accurate

Confidently take reliable readings with the True-RMS Fluke 353 and 355 Clamp Meters — the tools of choice for high current clamp-on amp meter measurements up to 2000 A.

- Reliably handle a wide range of high-current applications with 2000 A AC+DC True-RMS, 1400 A AC, and 2000 A DC
- Large 58 mm jaw
- Inrush current measurement
- High voltage measurement of 1000 V AC+DC True-RMS, 600 V AC, and 1000 V DC (355 only)
- Resistance to 400 kΩ (355 only)
- Continuity beeper (355 only)
- Frequency measurement to 1 KHz
- Selectable low-pass filter mode
- Min/Max/Avg
- Large display with backlight
- Three year warranty

Recommended Accessories



80TK Thermocouple Module
TP38 Insulated Test Probe
FTP-1 Fuse Test Probe Set
80PK-8 Type K Pipe Thermocouple Probe
TL175 TwistGuard™ Test Leads
TLK-225 Test Lead Set
L215 SureGrip™ Electrical Test Lead Set
TL223-1 Type K Pipe Thermocouple Probe
C345 Large Soft Case
C1600 Gear Tool Box

Specifications

	353	355
True-RMS Measurements	•	•
Display Backlight	•	•
Motor Start-up Current	•	•
Min/Max/Average	•	•
Voltage AC/DC	–	•
Resistance Measurement	–	•
Continuity Measurement with beeper	–	•

Functions	Range	373	376 FC
Current AC/DC	0-40.00 A	1.5% ± 15 counts	1.5% ± 15 counts
	0-40.00 A	–	–
Crest Factor	0-2000 A; 1400 AC RMS	1.5% ± 5 counts	1.5% ± 5 counts
	–	2.4	2.4
Voltage AC/DC	0-4.000 V	–	1% ± 10 counts
	0-40.00 V	–	–
	0-400.0 V	–	–
	0-600 V AC RMS	–	1% ± 5 counts
Resistance	0-1000 V DC	–	–
	0-400.0 Ω	–	–
	0-4.000 kΩ	–	–
Continuity Beeper	0-40.00 kΩ	–	1.5% ± 5 counts
	0-400.0 kΩ	–	–
Frequency	Appr. ≤ 30 Ω	–	–
	5.0Hz to 100.0Hz	0.2% ± 2 counts	0.2% ± 2 counts
Power Supply	100.1Hz to 999Hz	0.5% ± 5 counts	0.5% ± 5 counts
	–	6 x 1.5V AA NEDA 15A or IEC LR6	–
Battery Life	–	100 hours (with typical usage, backlight off)	–
Size (HxWxD)	–	300 mm x 98 mm x 52 mm	–
Jaw opening	–	–	–
Weight	–	0.814 kg	–

Included Accessories

Fluke 353: C43 Soft Meter Case, Six AA Batteries, User Manual.
Fluke 355: C43 Soft Meter Case, Six AA Batteries, TL224 SureGrip™ Silicone Test Lead Set, TP2 Slim Reach Test Probe Set (2 mm), AC285 SureGrip™ Alligator Clip Set, User Manual.

Ordering Information

FLUKE-353	True-RMS AC/DC Clamp Meter
FLUKE-355	True-RMS AC/DC Clamp Meter

FLUKE 902 FC TRUE-RMS HVAC CLAMP METER



Fluke 902 FC



Improve productivity in the field

The Fluke 902 FC delivers the features necessary to diagnose and repair HVAC systems. Additionally, with Fluke Connect® you can trend measurements, create and send reports right from the field, safely stay away from live equipment. Remote display reads measurements up to 9.1 metres away

Applications for HVAC

- 200 µA DC current measurements to measure flame rod
- Extended resistance range to measure thermistors up to 60kΩ
- Capture flue gas temperature
- Measure start and run motor capacitors
- Measure performance of variable frequency drives
- Temperature measurement from -10 °C to 400 °C
- 1000 µF capacitance measurement
- CAT III 600V, CAT IV 300V safety rating
- Three year warranty

Specifications

Functions	Range	Resolution	Accuracy
A AC (via Jaw)	60/600 A	0.01/0.1 A	2.0% ± 5 digit (45-65 Hz) 2.5% ± 5 digit (65-400Hz)
V AC	600 V	0.1 V	1.5% ± 5 digit (45-400Hz)
V DC	600 V	0.1 V	1% ± 5 digits
Ohms	600/6,000 /60,000 Ω	0.1/1/10	1% ± 5 digits
µA	200 µA	0.1 µA	1% ± 4 digits
Contact Temperature	10 to 400°C	0.1 C/F	1% ± 8 digits
Capacitance	100.0/1000µF	0.1/1µF	1% +/- 4 digits
Continuity Beeper			
Beep Volume	75 dBA nom, 15 cm from case front		
On Threshold	<=30 Ω		



Recommended Accessories



Included Accessories

TL75 Test Leads, 80BK Integrated DMM Temperature Probe, Two AA Alkaline Batteries, Soft Carrying Case, Statement of Calibration Practices and User Manual.

Ordering Information

FLUKE-902 HVAC Clamp Meter FC

Electrical Testers

FLUKE VOLTALERT™ FAMILY

- VoltAlert™ AC non-contact voltage testers from Fluke are easy to use - just place the tip to a terminal strip, outlet, or supply cord. When the tip glows red, you know there's voltage present. right tool for the job.
- Two year warranty.



Functions	1AC-A1-II	LVD1A	LVD2
Voltage	90 V AC to 1000 V AC	40 V AC to 300 V AC	90 V AC to 900 V AC
CAT Rating	CAT IV 1000V	CAT IV 600V	CAT IV 600V
Voltage Detection	•	•	•
Batteries included	•	•	•
On/Off Button	•	•	•
Voltbeat	•	•	•
Audible/Silent	•	•	•
LED Flashlight	•	•	•

Bonding Testers

FLUKE 368 FC/369 FC AC TRUE-RMS LEAKAGE CURRENT CLAMP METERS



Fluke 369 FC

Fluke 368 FC



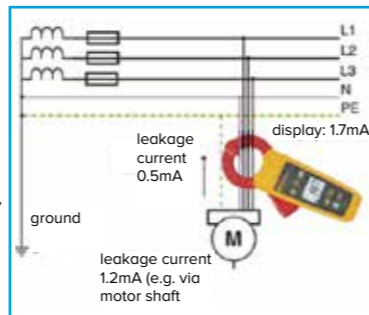
Measure leakage current to track small problems, avoid large problems

The Fluke 360 Series of True-RMS Leakage Current Clamp Meters help users detect, document, record and compare leakage current readings over time as a means of preventing unplanned downtime, and identifying intermittent GFCI and RCD trips, without taking equipment offline..

- True-RMS measurements for accuracy when measuring complex, non-sinusoidal waveforms
- Jaw size: 40 mm (368 FC) and 61 mm (369 FC)
- Current resolution 1 µA/0.01 mA and 0.01 A/0.1 A
- Frequency range 40 Hz to 1 kHz
- Selectable filter 40 Hz to 70 Hz or wideband 40 Hz to 1 kHz
- Highest resolution of 1 µA, measure up to 60 A
- Forward-facing LED worklight for use in dark wiring cabinets
- Backlit display; auto backlight off and auto power off for extended battery life.
- Wireless data connectivity via Fluke Connect
- CAT III 600V safety rating
- Three year warranty

Specifications

Measurement Function	Alternating current
AC Ampere Range	3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A mA A: manual selection 3 mA, 30 mA, 300 mA: automatic selection 3 A, 30 A, 60 A: automatic selection
Range Selection	3 mA, 30 mA, 300 mA: automatic selection 3 A, 30 A, 60 A: automatic selection
Frequency	40 Hz to 1 kHz
Crest Factor	Three



Included Accessories

Soft Case, Two AA Batteries, Safety Manual.

Ordering Information

FLUKE 368 AC Leakage Current Clamp Meter FC
FLUKE 369 AC Leakage Current Clamp Meter FC

M1 MILLIOHM METER®

The M1 Milliohm Meter® – handheld bonding meter for measuring low electrical resistance in the aviation industry. All measurements are displayed in milliohms. No conversions, no zeroing of the meter or any other compensation for cables, etc. are needed.

- 0.01 to 19999 milliohms
- 100 milliamps DC
- Accuracy <0.1% of readings
- NIST accuracy certified
- UL913 flightline approved
- CE certified



Part No.	Description
M1-G-KIT	BCD Milliohm Meter

MEGGER MILLIOHM METER

The DLRO2 can measure low resistance values across a wide range of applications including the aircraft industry. Lightning protection testing measuring mΩ resistance between receptors, wing tip to wing tip etc.

- Use of long leads at 1 A without compromising test speed
- Safely test the resistance of inductive loads at 1 A
- <600 V active protection against inadvertent live connections without blowing a fuse
- Ideal for outdoor use with protection against dust and moisture to IP54



Part No.	Description
DLRO2	Megger Low Resistance Ohmeter

Test Lead Accessories

BASIC ELECTRONIC TEST LEAD SET

- Six piece set with zippered case
- Probes, alligator clips and tip extenders for electronic applications
- CAT II 300V
- CAT III 1000V, CAT IV 600V with protective cap



Part No.	Description
TL80A	Basic Electronic Test Lead Set

DELUXE TEST LEAD KIT

- Set of five Automotive Back Probe Pins
- SureGrip™ Silicone Test Leads
- SureGrip™ Test Probes
- SureGrip™ Plunger Style Alligator Clips
- SureGrip™ Alligator Clips
- SureGrip™ Hook Clips
- Carrying Case



Part No.	Description
TLK282	Deluxe Test Lead Kit

TELECOM TEST LEAD SET

- Five-way multipoint test clips for telecommunications applications
- Flexible silicone insulated leads are heat and cold resistant
- CAT I 30V, 8A



Part No.	Description
TL26A	Telecom Test Lead Set

ELECTRONIC TEST PROBES WITH REPLACEMENT TIPS

- Small profile provides accessibility
- Comes with five sets of replaceable tips
- Replacement tips: TP912
- CAT II 1000V, 3A



Part No.	Description
TL910	Electronic Test Probes

SLIM REACH™ TEST PROBES

- Slender probe bodies for probing closely spaced or recessed points
- CAT II 1000V, 10A
- TP38: CAT III 1000V, CAT IV 600V



Part No.	Description	Style
TP1	Slim Reach™ Test Probe	Flat Blade
TP2	Slim Reach™ Test Probe	2mm Tip
TP4	Slim Reach™ Test Probe	4mm Tip
TP38	Slim Reach™ Test Probe	SS; insulated

ELECTRONIC TEST PROBES

- Tapered tip ideal for probing electronic components or boards
- Removable guard for IC probing
- CAT III 1000V, 10A



Part No.	Description
TP80	Electronic Test Probes

SUREGRIP™ SILICONE INSULATED TEST LEADS

- Fit over TL71 and TL75 test lead sets
- IC Test Tip Adaptor, 3A
- Extended Probe Tip, 3A
- Med. Alligator Clip, 5A
- CAT II 300V



Part No.	Description
TL222	SureGrip™ Silicone Insulated Test Lead

SUREGRIP™ SILICONE INSULATED TEST LEADS

- Superior strain relief
- 1.5m silicone-insulated wire resists heat and cold
- CAT III 1000V, CAT IV 600V, 10A



Part No.	Description
TL224	SureGrip™ Silicone Insulated Test Lead

SUREGRIP™ FUSED TEST PROBES

- Built-in fuses for added protection
- 2mm threaded probe tips include removable 4mm lantern-style spring contacts
- Removable GS38 insulated caps
- CAT III 1000V, CAT IV 600V, 10A



Part No.	Description
FTP-1	SureGrip™ Fused Test Probe

SUREGRIP™ INDUSTRIAL TEST PROBES

- Sharp, .5 inch stainless steel tip provides reliable contact
- Flexible finger barrier improves grip
- CAT II 1000V, 10A



Part No.	Description
TP220	SureGrip™ Industrial Test Probe

SUREGRIP™ FUSED TEST PROBES WITH LEADS

- FTP-1 Fused Test Probes with built-in fuses for added protection
- TL224 Silicone Insulated Test Leads
- CAT III 1000V, CAT IV 600V, 10A



Part No.	Description
FTPL-1	SureGrip™ Fused Test Probes with Leads

RIGID BACKPROBE PIN SET

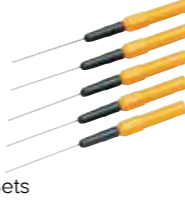
- Two inch long Pins pass between the weather pack seal and wire
- Use with Fluke TL71 or TL75 Test Lead Sets
- Rated to 60V dc



Part No.	Description
TP88	Rigid Backprobe Pin Set

BACK PROBE PIN SET

- Set of five 1.5 inch Pins
- Rated to 60V dc
- Easy connection past weather pack seals to connector conductors
- Use with Fluke TL71 or TL75 Test Lead Sets



Part No.	Description
TP40	Back Probe Pin Set

RETRACTABLE PROBE ASSEMBLY

- Retractable, insulated sharp probe tip
- CAT III 300V, 3A



Part No.	Description
TL40	Retractable Probe Assembly

SUREGRIP™ SILICONE TEST LEAD EXTENSION KIT

- Superior strain relief
- Includes two Adaptors to extend leads 1.5m
- CAT III 1000V, CAT IV 600V, 10A



Part No.	Description
TL221	SureGrip™ Silicone Test Lead Extension Kit

TEST PROBE ADAPTOR KIT

- Fit over TL71 and TL75 test lead sets
- IC Test Tip Adaptor, 3A
- Extended Probe Tip, 3A
- Med. Alligator Clip, 5A
- CAT II 300V



Part No.	Description
TP920	Test Probe Adaptor Kit

SUREGRIP™ ALLIGATOR CLIPS

- Insulated, nickel plated jaws grip objects up to .375 inch
- Blunt tip grabs round screw heads
- CAT III 1000V, CAT IV 600V, 10A



Part No.	Description
AC220	SureGrip™ Alligator Clip

SUREGRIP™ HOOK CLIPS

- Profile narrows to .22 inch at tip
- Hook opening .20 inch front, .08 inch base
- CAT III 1000V, CAT IV 600V, 3A



Part No.	Description
AC280	SureGrip™ Hook Clip

SUREGRIP™ PINCER CLIPS

- 4.5 inch flexible, insulated shaft
- Nickel plated pincers open to .20 inch
- CAT III 1000V, CAT IV 600V, 1A



Part No.	Description
AC283	SureGrip™ Pincer Clip

HIGH VOLTAGE PROBES

- Allows a Digital Multimeter to measure up to 6,000V peak, 15,000V peak and 40,000V peak respectively
- 1000:1 division ratio output when connected to 10MΩ Multimeter
- Ground Clip included
- For low energy applications that are referenced to ground only



Part No.	Description
80K-6	High Voltage Probes 6,000V
80K-15	High Voltage Probes 15,000V
80K-40	High Voltage Probe 40,000V

INSULATION-PIERCING CLIP SET

- Stainless steel probe pierces insulation on 14, 16 and 18 gauge wire
- Design provides complete insulation while working on fuel injectors or sensors
- TP81 for use with modular test leads (Fluke TL224)
- TP82 slips over probe tips (Fluke TL71)
- Rated to 60V dc



Part No.	Description
TP81	Insulation-piercing Clip Set
TP82	Insulation-piercing Clip Set

SUREGRIP™ ALLIGATOR CLIPS

- Multi-purpose tooth pattern grips anything from fine gauge wire to a .75 inch nut
- Nickel-plated steel jaws
- Accepts standard modular 4mm test leads
- CAT III 1000V, CAT IV 600V, 10A



Part No.	Description
AC285	SureGrip™ Alligator Clip

THREADED ALLIGATOR CLIPS

- Threads securely onto TL175 or TP175 probes
- Insulated alligator clips with flexible boots
- Jaw opening: 7mm (0.275in)
- Jaw contact material: nickel-plated steel
- CAT III 1000V, CAT IV 600V



Part No.	Description
AC175	Threaded Alligator Clips

EXTENDED TOOTH ALLIGATOR CLIPS

- Extended tooth jaw with front placement for attaching to screw heads
- Accepts standard 4mm modular test leads
- Jaw opening: 8mm (0.31in)
- Jaw contact material: nickel-plated steel
- CAT III 1000V, CAT IV 600V



Part No.	Description
AC285	SureGrip™ Alligator Clip

RETRACTABLE TEST LEAD

- Used for testing electrical circuits
- Retractable test leads pull out and stay at desired length
- Rewinds test leads into its own protective case when not in use
- With insulated alligator clip
- 18 gauge copper wire



Part No.	Description
LANG1130	30ft Retractable Single Test Lead

RETRACTABLE TEST LEAD

- Used for testing electrical circuits
- Retractable test leads pull out and stay at desired length
- Rewinds test leads into its own protective case when not in use
- With insulated alligator clip
- 18 gauge copper wire



Part No.	Description
LANG1130	10ft Retractable Three-Wire Test Lead