

# RETAIL CATALOG

# FLUKE®

## Totally Affordable. Totally Fluke

Excellent safety standards | Cutting edge technology | Complete value for money

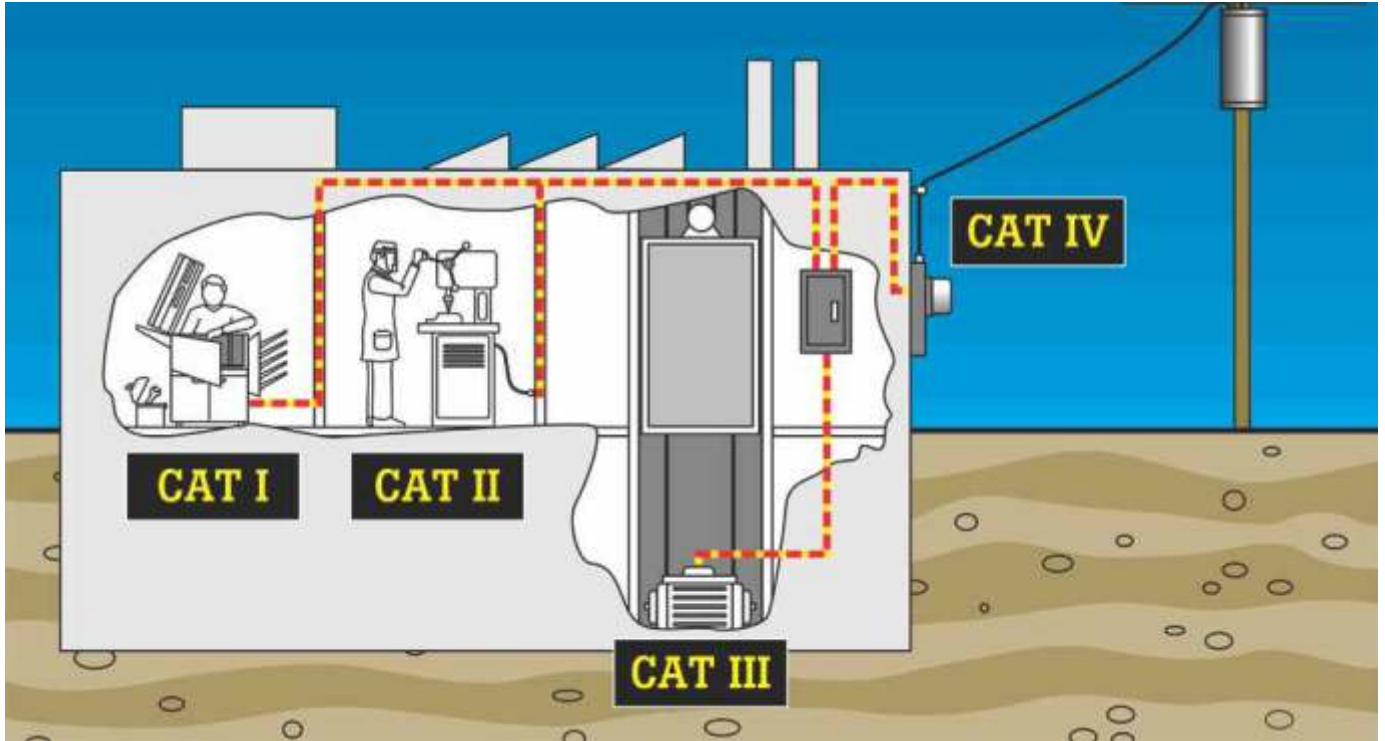
# 2014

Available throughout India at leading Fluke authorized retail outlets.



Professional Test Tools For Everyday Jobs





Category	In brief	Examples
CAT I	Electronic	<ul style="list-style-type: none"> <li>Protected electronic equipment</li> <li>Equipment connected to (source) circuits in which measures are taken to limit transient overvoltages to an appropriately low level</li> <li>Any high-voltage, low energy source derived from a high-winding resistance transformer, such as the high-voltage selection of copier</li> </ul>
CAT II	Single-phase receptacle connected loads	<ul style="list-style-type: none"> <li>Appliance, portable tools and other household and similar loads</li> <li>Outlet and long branch circuits                             <ul style="list-style-type: none"> <li>Outlet at more than 10 meters (30 feet) from CAT III source</li> <li>Outlet at more than 20 meters (60 feet) from CAT IV source</li> </ul> </li> </ul>
CAT III	Three-phase distribution, including single-phase commercial lighting	<ul style="list-style-type: none"> <li>Equipment in fixed installation, such as switchgear and polyphase motors</li> <li>Bus and feeder in industrial plants</li> <li>Feeders and short branch circuits, distribution panel devices</li> <li>Lighting system in larger buildings</li> <li>Appliance outlet with short connections to service entrance</li> </ul>
CAT IV	Three-phase at utility connection, any outdoor conductors	<ul style="list-style-type: none"> <li>Refers to the “origin of installation” : i.e. where low-voltage connection is made to utility power</li> <li>Electricity meters, primary overcurrent protection equipment</li> <li>Outside and service entrance, service drop from pole to building, run between meter and panel</li> <li>Overhead line to detached building, underground line to well pump</li> </ul>

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True-rms is a precise technique of measuring the rms value of a signal. This measurement is very vital since most of the electrical equipment will be designed for this value as they are vulnerable to heat dissipation.

“RMS” stands for root-mean square. It comes from a mathematical formula that calculates the “effective” value (or heating value) of any AC wave shape. In electrical terms, the AC rms value is equivalent to the DC heating value of a particular waveform voltage or current. For example, if a resistive heating element in an electric furnace is rated at 15 kW of heat at 240 V AC rms, then we would get the same amount of heat if we applied 240 V of DC instead of AC. Electrical power system components such as fuses, bus bars, conductors, and thermal elements of circuit breakers are rated in rms current because their main limitation has to do with heat dissipation. If we want to check an electrical circuit for overloading, we need to measure the rms current and compare the measured value to the rated value for the component in question.

The average responding instrument works for pure sine waves, hence suitable for general purpose measurement work in residential & commercial applications. For industrial applications, (where a waveform is distorted by nonlinear loads such as speed drives or computers), we should use only True RMS instruments for accurate readings. The table below gives some examples of the way the two different types of meters respond to different wave shapes. This method will give the correct heating value regardless of the current wave shape.

“If a DMM / Clamp is labeled and specified to respond to the true-rms value of current, it means that the instrument’s internal circuit calculates the heating value according to the rms formula. Certain low-cost current clamps which don’t have true rms circuitry, use a short cut method to find the rms value. These meters are specified to be “average responding-rms indicating.” These meters capture the rectified average of an AC waveform and scale the number by 1.1 to calculate the rms value. In other words, the value they display is not a true value, but rather is a calculated value based on an assumption about the wave shape.”



The true-rms multimeter is labelled on the front panel.

Multimeter type	Response to sine wave	Response to square wave	Response to single phase diode rectifier	Response to three phase diode rectifier
Average responding	Correct	10% high	40% low	5-30% low
True-rms	Correct	Correct	Correct	Correct

Pick the right digital multimeter for you

Model Fluke 101 Fluke 101+ Fluke 106 Fluke 107 Fluke 15B Fluke 17B Fluke 115



### Basic Features

Counts	6000	6000	6000	6000	4000	4000	6000
True RMS / AVG Responding	AVG	AVG	AVG	AVG	AVG	AVG	True RMS

### Measurements

DC	600V	600V	600V	600V	1000V	1000V	600V
Accuracy	±0.5% + 3 digit	±0.5% + 3 digit	±0.5% + 3 digit	±0.5% 3 digit	±0.5% + 3 digit	±0.5% + 3 digit	±0.5% + 2 digit
AC	600V	600V	600V	600V	1000V	1000V	600V
Accuracy	±1.0% + 3 digit	±1.0% + 3 digit	±1.0% + 3 digit	±1.0% + 3 digit	±1% + 3 digit	±1% + 3 digit	±1% + 3 digit
DC	-	-	10A	10A	10A	10A	10A
Accuracy	-	-	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1% + 3 digit
AC	-	-	10A	10A	10A	10A	10A
Accuracy	-	-	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit
Range	40 MΩ	40 MΩ	40 MΩ	40 MΩ	40.00 MΩ	40 MΩ	40 MΩ
Accuracy	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 2 digit	±1.5% + 2 digit	±0.9% + 1 digit
Capacitance	100 μF	100 μF	1000 μF	1000 μF	100 μF	100 μF	10 mF
Accuracy	-	-	±5% + 5 digit	±5% + 5 digit	±5% + 5 digit	±5% + 5 digit	±1.2% + 2 digit
Frequency	100 kHz	100 kHz	100 kHz	100 kHz	-	100 kHz	50 kHz
Accuracy	-	-	±0.1% + 3 digit	±0.1% + 3 digit	-	±0.1% + 3 digit	±0.1% + 2 digit
Range	-	-	-	-	-	-	-
Accuracy	-	-	-	-	-	-55°C to +400°C	-
Temperature	-	-	-	-	-	±2% + 1°C	-

### Other Features

Continuity Check With Beeper	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Min/Max/Avg Recording	-	-	-	-	No	No	Yes
Data Hold	No	No	Yes	Yes	Yes	Yes	Yes
Diode Test	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Low Battery Indication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Power Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto/Manual Ranging	-	-	-	-	-	-	-

### Safety & Warranty

Safety Rating	CAT III	600V	600V	600V	300V	300V	600V
Warranty	Years	1 Year	1 Year	1 Year	1 Year	1 Year	3 Years

# Fluke 101 & 101+ Digital Multimeters

The FIRST - CHOICE multimeter for electrical professionals to go

**FLUKE**®



Designed for basic electrical tests, the Fluke 101 digital multimeter offers reliable measurements for residential / commercial electricians and heating and air conditioning technicians. This small lightweight multimeter fits comfortably in your hand but is rugged enough to withstand daily use for years to come. When it comes to professional-grade affordable multimeters, Fluke 101 digital multimeter is your best choice.

## MY FIRST FLUKE



Fits easily in shirt pocket



Smart Strap

### Product highlights :

- CAT III 600 V safety rated
- AC/DC Voltage, Resistance, Capacitance, Frequency measurement
- Diode and continuity test with buzzer
- Small lightweight design - easy to carry in pocket
- Rugged, reliable, accurate readings
- Long battery life with auto power OFF
- Fluke India Calibration Certificate
- 1 Year Fluke India warranty

### Ordering information

**FLUKE-101** Digital Multimeter

**FLUKE-101+** Digital Multimeter

### Included accessories

- TL75 Test leads
- 2 AAA Batteries [installed]
- Users manual
- Calibration Certificate
- Smart Strap (with Fluke 101+ only)



# Fluke 106 & 107 Palm - sized Digital Multimeters

Put measurements in the palm of your hand

**FLUKE**®



The Fluke 106 and 107 are compact, easy to use tools. These are palm-seized digital multimeters deliver safe, reliable measurements time after time. The Fluke 106 and 107 are great products made to fit the way you work! These are the only Fluke digital multimeters designed to fit in the palm of your hand and go with you no matter where your job takes you.



## Carry Case C10X for Fluke 101, 101+, 106, 107



### Optional accessories

### Product highlights\* :

- CAT III 600 V safety rated
- AC/DC current, AC/DC Voltage, Resistance, Capacitance, Frequency (107 only) measurement
- Diode and continuity test with buzzer
- Large easy to read backlit display
- Small lightweight design - easy to carry in pocket
- Rugged, Reliable, accurate readings
- Long battery life with auto power OFF
- Fluke India Calibration Certificate
- 1 Year Fluke India warranty

### Ordering information

**FLUKE-106** Digital Multimeter

**FLUKE-107** Digital Multimeter

### Included accessories

- TL 75 Test leads
- 2 AAA Batteries [installed]
- Users manual
- Calibration Certificate



\*Features may vary from model to model

# Fluke 15B & 17B Digital Multimeters

4000 count Digital Multimeter for electrical & electronics testing in everyday use

FLUKE®



made for india

Fluke 15B & 17B multimeters are engineered for multiple electrical and electronic test applications including Temperature Measurement and designed to Fluke's high standards of ruggedness, reliability and accuracy, these DMMs are available at affordable prices for Indian professionals.



## Product highlights :

- 4,000-count digital display, updates 3/sec
- Basic DC accuracy of 0.5 %
- Diode test and audible continuity beeper
- Auto and manual range using RANGE button
- Display Hold for user convenience
- Sleep mode
- 500 Hour typical alkaline battery life
- Holster with space for hanging attachment
- Battery door provides easy battery access
- IEC 1010-1: CAT I 1000 V, CAT II 600 V, CAT III 300 V
- 1 Year Fluke India warranty



Notes



# Fluke 115 Digital Multimeter

Compact and easy to use 6000 count True RMS DMM, perfect for general purpose electrical & electronics troubleshooting

**FLUKE**®



## Designed for Field Service Technicians

The Fluke 115 is the solution for a wide variety of electrical and electronic testing applications. This compact true-rms meter is for field service technicians as it provides an easy one-handed operation in a compact package.

### Product highlights :

- Large white LED backlight to work in poorly lit areas
- Resistance and continuity
- Frequency and capacitance
- Maximum Voltage AC/DC 600 V
- 10A AC/DC current measurement (20 A overload for 30-seconds max)
- Min/Max/Average to record signal fluctuations
- CAT III 600 V safety rated



### Notes

		Average Responding Clamp Meter				True RMS Clamp Meter			
Model		Fluke 362	Fluke 302+	Fluke 303	Fluke 305	Fluke 317	Fluke 374	Fluke 319	
<b>Measurements</b>									
Avg / True RMS		AVG	AVG	AVG	AVG	True RMS	True RMS	True RMS	
Amp	DC	200A	-	-	-	600A	600A	1000A	
	Accuracy	± 2% + 5 counts	-	-	-	± 1.5% + 5 counts	± 2% + 5 counts	± 1.5% + 5 counts	
Volt	AC	200A	400A	600A	999A	600A	600A	1000A	
	Accuracy	± 2% + 5 counts	± 1.8%+ 5 counts	± 1.8%+ 5 counts	± 1.5% + 5 counts	± 1.5% + 5 counts	± 2% + 5 counts	± 1.5% + 5 counts	
	DC	600V	600V	600V	600V	600V	600V	600V	
	Accuracy	±1% + 5 counts	±1% + 5 counts	±1% + 5 counts	±1% + 5 counts	±1% + 4 counts	±1% + 5 counts	±1% + 4 counts	
Resistance Measurement	AC	600V	600V	600V	600V	600V	600V	600V	
	Accuracy	± 1.5% + 5 counts	± 1.5% + 5 counts	± 1.5% + 5 counts	± 1.5% + 5 counts	± 1.5% + 5 counts	± 1.5% + 5 counts	± 1.5% + 5 counts	
	OHMS	3000Ω	4000Ω	4000Ω	4000Ω	4000Ω	6000Ω	4000Ω	
Capacitance Measurement		-	-	-	-	-	1000µf	-	
Frequency Measurement		-	-	-	-	-	-	Yes	
Inrush Current Measurement		-	-	-	-	-	Yes	Yes	
i-Flex Accessory		-	-	-	-	-	Yes(optional)	-	
<b>Other Features</b>									
Continuity Check		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Min / Max		-	-	-	-	Yes	Yes	Yes	
Data Hold		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Backlight		No	Yes	Yes	Yes	Yes	Yes	Yes	
Jaw Open		18mm	30 mm	30 mm	30 mm	37 mm	34 mm	37 mm	
<b>Safety &amp; Warranty</b>									
Safety Rating		CAT III	600V	600V	600V	600V	1000V	600V	
Warranty		2 Years	2 Years	2 Years	2 Years	1 Year	3 Years	1 Year	

The new Fluke 362 Clamp Meter is designed to fit easily in your pocket. The small 18 mm triangular jaw allows access into tight places where other clamp meters can't reach, while providing the accuracy you can trust from a Fluke tool. This durable clamp meter is a must-have for basic clamp measurements.

## Product highlights :

- CAT III 600 V safety rating
- 200 A AC and DC current and 600 V AC and DC voltage measurement range
- 3000  $\Omega$  resistance range, continuity detection
- Zero function allows the display to be cleared for DC measurements
- Data hold function
- 18 mm triangular jaw allows for easy measurement on large, easy-to-read display for easy viewing
- Thin, light, compact body design for one-hand operation
- Fluke India Calibration Certificate
- 1 Year Fluke India warranty

## Ordering information

Fluke 362 Clamp Meter

### Included accessories

- Clamp meter
- TL 75 test lead set
- Two AAA batteries (installed)
- User manual.
- Calibration certificate

## Carry case for Fluke 362



**C30X**

Optional accessory



**New**



The Fluke 302+, 303 and 305 come with all the rugged, reliable and accurate features you have come to trust, in a small, ergonomic design. The innovative body design offers a more compact tool to meet your needs. With features of AC current measurements upto 1000 A (305) a large 30 mm jaw opening and CAT III 600 V safety rating, you get an easy-to-use tool that handles your everyday electrical maintenance needs.

**New**

## Product highlights :

- CAT IV 300 V / CAT III 600 V safety rated
- 1000 A AC current measurement (305)
- 600 A AC current measurement (303)
- 400 A AC current measurement (302+)
- 30 mm jaw size for multiple applications
- Resistance range upto 4kΩ
- Slim, ergonomic design is easy to carry and simple to use
- Easy to read backlight display
- Fluke India Calibration Certificate
- 2 Years Fluke India warranty



Carry case C30x  
for Fluke 302+, 303 & 305  
Optional accessory



# Fluke 317 & 319 Clamp Meters



True-rms

## Accurate. Rugged. Safe

Unique, portable True RMS precision clamp meters. The new Fluke 317 & 319 are designed based on detailed research into the requirements of electrical engineers. These clamps are powerful tools for the daily maintenance and installation of electronics.

## Product highlights :

- 1000A AC/DC current measurement (319)
- 600A AC/DC current measurement (317)
- Unique 40 A low frequency measurements capability with 0.01 A resolution
- Frequency & Inrush current measurement (319)
- Special filter circuit to enable accurate measurement of PWM output
- Additional measurement of resistance and continuity check feature
- Data hold features with large, easy to read backlight display
- Fluke India Calibration Certificate
- 1 Year Fluke India warranty



True-rms



Perfect for many current measurement situations



\*iFlex™ i2500-18

The Fluke 374 Clamp Meter offers improved performance perfect for many current measurement situations. With true-rms AC voltage and current measurements, the Fluke 374 can read up to 600 V and 600 A in both AC and DC modes. Additionally, both are compatible with the new iFlex™ flexible current probe (sold separately) which expands the measurement range to 2500 A AC and provides increased display flexibility, ability to measure around awkward sized conductors and improved wire access.

### Product highlights :

- Measure current upto 600 A in both AC and dc modes & voltage upto 600 V AC and DC, CAT IV 600 V, CAT III 1000 V safety rating
- Proprietary inrush current measurement technology to capture motor starting current
- iFlex flexible current probe (sold separately) to expand measurement range up to 2500 A AC
- Fluke India Calibration Certificate
- 1 Year Fluke India warranty

\* iFlex sold separate on accessory



Measure upto 2500A AC



Measure in tight space using \*iFlex™



Measure bigger size conductors

### Notes



## Measure 4 to 20 mA signals without breaking the loop

### Product highlights :

- Measure mA signals for PLC & control system analog I/O
- Measure 4 to 20 mA output signals from transmitters without breaking the loop
- Best in class 0.2% accuracy
- Resolution and sensitivity to 0.01mA
- Hold function captures and displays changing measurements
- Dual backlit display with both mA measurement and percent of 4 to 20 mA span
- Measurement spotlight illuminates hard to see wires in darken closures
- Detachable clamp with extension cable for measurements in tight locations
- Measure 10 to 50 mA signals in older control systems using the 99.9 mA range
- Automatic battery savings features



Specifications			
Range/Resolution	Accuracy	Features	Note
-20.99 to +20.99mA	0.2% or reading + 5 counts	Zero, hold, backlight measurement spotlight	Use for measuring and troubleshooting 4 to 20mA signals
-21.0 to -99.9mA +21.0 to +99.9mA	1% reading +5 counts	Zero, hold, backlight measurement spotlight	Use for measuring and troubleshooting 10 to 50mA signals
Environmental, General Specifications			
Operating Temperature	-10°C to 55°C		
Storage Temperature	-25°C to 70°C		
Operating Humidity	<95% @ <30°C, <75% @ 30°C to 55°C		
IP Rating	IP 40		
Weight	260g, (9.1 oz)		
Warranty	Three years (one year for clamp cable assembly)		

### Notes

# 1AC II/2AC Volt Alerts LVD2 Volt Lights



The next generation VoltAlert™ AC non contact voltage testers from Fluke are easy to use—just touch the tip to a terminal strip, outlet or supply cord. When the tip glows red and the unit beeps, you know there's voltage present. Electricians, maintenance, service, safety personnel and homeowners can quickly test for energized circuits at their workplace or home.



The pocket-sized voltage detector

## Fluke 1AC II VoltAlert™

The Fluke Volt Alert AC voltage detector is very easy to use – just touch the tip to a terminal strip, outlet or cord. When the tip glows red and the unit beeps, you know there is voltage on the line.

- It continually tests its battery and its circuit integrity with a periodic double flash visual indication
- Highest safety rating: CAT IV 1000 V
- Detects voltage without metallic contact



**Operating range:** 200 – 1000 V AC  
**Batteries:** Two AAA Alkaline  
**Size (H):** 148 mm  
Two Year Warranty

**Fluke 1AC II VoltAlert™ 5-pack**  
• Buy 4 get 1 FREE

## 2AC VoltAlert™

2AC is the latest addition to the VoltAlert™ ac non- contact voltage tester family from Fluke and is designed to be pocket-sized and easy to use. The 2AC tests for energized circuits and defective grounds, whether it's for an electrician on the factory floor or the do-it-yourselfer around the house. The tip of the pocket-sized tester will glow red when within close proximity of an outlet, terminal strip or power cord where voltage is present.

- Voltage detection from 200 to 1000 V AC, suitable for a wide range of residential, commercial and industrial needs
- NEW! Always on, using special low power circuitry to sustain battery life and ensure your 2AC is always ready.
- NEW! Innovative 'Battery Check' button function ensures battery is in good condition
- Category IV – 1000 V over voltage rated product for best in class user protection
- Integrated clip design, optimized for pocket storage
- Powered by 2 x AAA batteries (included)
- Fluke ruggedness and reliability
- Two-year warranty storage



**Operating range:** 200 – 1000 V AC  
**Batteries:** Two AAA Alkaline  
**Size (H):** 148 mm  
Two Year Warranty

**Fluke 2AC VoltAlert™ 5-pack**  
• Buy 4 get 1 FREE

## LVD2 Volt Light

Combines bright light and voltage detection in one pen style design

- Dual sensitivity
- Detects voltage from 90 V to 600 V AC
- Blue light means you're close
- Red light means you're at the source
- Rated to CAT IV 600 V



## Fluke T+PRO Electrical Tester

**Safer than traditional solenoid testers and fully compliant with NFPA 70E**

The Fluke T+PRO testers have all the advantages of the traditional solenoid testers, with none of the typical drawbacks. Use all 3 voltage detection methods - light, sound and vibration to work more efficiently in noisy environments, dimly lit areas or tight spaces. Built-in flashlight, GFCI trip capability and the legendary ruggedness you expect from Fluke make these an excellent choice for most residential, commercial and industrial applications.

The Fluke T+PRO is the choice for the demanding commercial and industrial electricians. The full-featured electrical tester includes voltage and continuity measurement, a Rotary Field Indicator, resistance and a digital display with 0.1 V resolution.






	2AC 200-1000 V AC CAT IV 1000 V	1AC-II 200-1000 V AC CAT IV 1000 V	LVD2 90-600 V AC CAT IV 600 V
Voltage Detection	■	■	■
Battery Included	■	■	■
Battery Check	■		
On/Off Button		■	■
VoltAlert™		■	
Audible Alert		■	
Dual Sensitivity			■
LED Flashlight			■

## Truly portable insulation resistance testers

When you need the most reliable general purpose insulation tester, look no further than the new Fluke insulation tester range. The Fluke 1507 and 1503 Insulation Testers are compact, rugged, reliable and easy to use.

The multiple test voltages on both models make them ideal for many troubleshooting, commissioning and preventive maintenance applications. Additional feature like the remote probe saves both time and money when performing tests.

Specifications		
Model	1503	1507
		
Insulation Specifications		
Measurement Range	2GMΩ.	10GΩ.
Test Voltage	500V, 1000V	50V, 100V, 250V, 500V, 1000V
Test Current	1 mA nominal	1 mA nominal
Auto Discharge	Discharge time < 0.5 second for C = 1 μF or less	Discharge time < 0.5 second for C = 1 μF or less
Live Circuit Indicator	Inhibit test if terminal voltage > 30 V prior to initializations of test	Inhibit test if terminal voltage > 30 V prior to initializations of test
Maximum Capacitive Load	up to 1 μF load	up to 1 μF load
Features		
User selectable test voltage for many applications	•	•
Additional test voltages 50V, 100V, 250V		•
Special remote control prob for easy and safe measurement	•	•
Auto-discharge of capacitive voltage for added user protection	•	•
Live circuit detection if voltage >30V	•	•
Automatic calculation of polarization index and dielectric ratio		•
Auto power off to save batteries	•	•
Large display with backlight	•	•
Continuity function (200 mA)	•	•
Compare function (pass/fail) for fast repetitive tests	•	•

**Fluke 1503**



**Fluke 1507**



Notes





## Take the guess work out of phase / motor rotation measurements

### Fluke 9062

The unique Fluke 9062 provides rotary field and motor rotation indication with the benefits of contact-less detection. Purpose made for commercial and industrial environments, the Fluke 9062 provides rapid indication of 3 phase rotation using test leads supplied or can be used to determine motor rotation on synchronous and asynchronous 3 phase motors. The contact-less detection is ideal for use on motors where the shaft is not visible. Test probes supplied with the instrument have a variable clamping range for safe contact, especially in industrial sockets.

### Features

3 phase indication	Via LED
Indication of phase rotation	•
Indication of motor rotation direction	•
Contact free determination of the rotation direction of running motors	•

### Specifications

Voltage range	Up to 400 V
Phase display	120 - 400 V AC
Frequency range	2-400 Hz
Operating time Continuous	Continuous

Size (HxWxD) Fluke 9062 :  
124 mm x 61 mm x 27 mm

Power supply 9062 : 1 x 9V  
Weight 9040 : 0.20 kg  
Weight 9062: 0.15 kg  
Two Year Warranty



### Included accessories

Fluke 9062 : Alligator clips - black (3)  
Flexible test probes - black (3)  
Test leads - black (3)

### Ordering information

Fluke 9062 Motor and Phase rotation indicator

### Fluke 9062 applications



Determine the presence of phase sequence of multiphase electrical supplies.



Determine the rotation of running motors simply by placing the instrument on the motor casing.



Check the correct rotation of motors prior to connection.

### Recommended accessories



TLK290  
See page 123

TLK291  
See page 123

C25  
See page 130

## Fluke 59 Mini Infrared Thermometer

Reliable temperature measurements. Wherever you need to go

**FLUKE**®



The Fluke 59 Mini digital thermometer is the perfect product for electricians to do daily electrical installation and maintenance jobs. The Fluke 59 Mini infrared thermometer offers quick and reliable surface temperature readings. This compact and portable design enables technicians to easily carry, hold and operate the meter under industrial environment.

**New**

### Product highlights :

- Measurements Range - 18°C to 275°C (0°F-525°F)
- 8:1 Distance to spot (D:S) ratio
- Single point laser sighting for accurate and repeatable measurements
- Large, easy to read backlit LCD display for easy viewing
- Easy-to-use for everyday temperature measurements
- Small and lightweight design fits easily into your tool box
- Fluke India Calibration Certificate
- 1 Year Fluke India warranty

## Fluke 59 MAX/59 MAX+ Infrared Thermometers

Fits your budget, Fits your job.

With 65 years of expertise as the leader in the test tools industry, Fluke has built the 59 MAX and 59 MAX+ IR thermometers with the precision you need to do your job accurately and within your budget. Designed to withstand a 1 meter drop, you can count on these lightweight, compact IR thermometers to work when you need them.

### Product highlights :

- Measurement Range - F59 MAX : -30°C to 350°C
- Measurement Range - F59 MAX+ : -30°C to 500°C
- 10:1 Distance to Spot ratio, 59 MAX+ (8:1 Distance to Spot ratio, 59 MAX)
- Displays the minimum, maximum or average temperature, or the difference between two measurements
- Hi and Lo alarms for rapid display for measurements outside the limits
- Precise laser technology for more accurate and repeatable measurements
- Large, easy to read backlit LCD display for easy viewing
- Small and lightweight design fits easily into your tool box
- Powered by one (1) AA battery
- IP40 rated for extra protection
- Fluke India Calibration Certificate
- 1 Year Fluke India warranty



**New**

## Introducing the Fluke 62 MAX

### Why IR Thermometers?

Temperature is often the first indication of potential problem in electrical and mechanical applications. But how can you easily determine if an electrical panel has a hot spot, a motor is overheating or an HVAC system is inefficient? The answer is with an infrared (IR) thermometer. With handheld, non-contact IR thermometers, you can instantly measure equipment temperatures in hard to reach or hazardous areas. And with early detection of abnormal temperatures comes early correction of problems.

### Why Fluke 62 MAX

Designed with your on-the-job need mind, the new Fluke 62 MAX infrared thermometer is everything you'd expect from the experts in measurement tools, smaller in size, extremely accurate and very easy to use. IP 54 rated for dust and water resistance. Precise yet rugged enough to take a 3-meter drop. In fact, the 62 Max is so tough, that it is the only IR thermometer around you that you can handle without care.

- **Dust and water-resistant:** IP54 rated for dust and water resistance
- **Rugged:** 3-meter (9.8-foot) drop tested
- **Ergonomically designed:** Completely redesigned for a more comfortable hand
- **Small in size:** Small and lightweight clips to your tool belt or belt loop or easily fits into your tool box
- **Distance to spot:** Precise laser technology makes for more accurate and repeatable measurements
- **Large, backlit display:** Large screen makes data easier to read, even in dark areas
- **Min/Max/Avg/Dif:** Displays the minimum, maximum or average temperature, or the difference between two measurements
- **Alarm:** Hi and low alarms for rapid display of measurements outside the limits
- **Power:** Both the 62 MAX is powered by a single, standard AA battery



Specifications	
Function	Parameter
Temperature Range	-30 °C to 500 °C (-22 °F to 932 °F)
Accuracy	± 1.5 °C or ± 1.5 % of reading ± 2.0 at -10 °C to 0 °C ± 3.0 at -30 °C to -10 °C
Response Time (95 %)	<500 ms (95 % of reading) Spectral Response: 8 to 14 microns Emissivity: 0.10 to 1.00
Optical Resolution	10:1 (calculated at 90 % energy)
Display Resolution	0.1 °C (0.2 °F)
Repeatability of Readings	± 0.8 % of reading or <± 1.0 °C (2 °F), whichever is greater
Power	1 x AA battery



## Fluke 971 Temperature Humidity Meter

Quickly take accurate humidity and temperature readings in the air. Temperature and humidity are two important factors in maintaining optimal comfort levels and good indoor air quality. The Fluke 971 is invaluable for facility maintenance and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). Lightweight, rugged, and easy to hold, the Fluke 971 is the perfect tool for monitoring problem areas. Simultaneously measures humidity and temperature

- Measures dew point and wet bulb
- 99 record storage capacity
- Min/Max/Avg Data Hold
- Ergonomic design with built-in belt clip and protective holster
- Backlit, dual readings display
- Twist-open protective cap
- Low battery indicator

## Specifications

Temperature range	-20 °C to 60 °C
Temperature accuracy	
0 °C to 45 °C	± 0.5 0C
-20 °C to 0 °C and 45 °C to 60 °C	± 1.0 °C
Resolution	0.1 °C
Response time (temperature)	500 ms
Temperature sensor type	NTC
Relative humidity range	5% to 95% R.H.
Relative humidity accuracy	
10% to 90% R.H. @ 23 °C	± 2.5 % R.H.
<10%, >90% R.H. @ 23 °C	± 5.0 % R.H.
Humidity sensor	Electronic capacitance polymer film sensor
Data storage	99 points
Response time (humidity)	For 90% of total range - 60 sec with 1 m/s air movement

Operating temperature:  
 Temperature: -20 °C to 60 °C  
 Humidity: 0 °C to 60 °C  
 Storage temperature: : -20 °C to 55 °C  
 Battery life: 4 AAA alkaline, 200 hours

Safety: Complies with EN61326-1  
 Weight: 0.188 kg  
 Size (HxWxD): 194 mm x 60 mm x 34 mm  
 One Year Warranty

## Other useful tools



**Fluke 62 Max**  
Non-contact  
Thermometer



**Fluke 414D**  
Laser Distance Meter

## Ordering Information

Fluke 971	Temperature Humidity Meter
Fluke CO-220	Carbon Monoxide Meter
CO-205	Aspirator Kit

## Carbon Monoxide Meters



Fluke CO-220

CO-220 Carbon Monoxide Meter  
 The CO-220 Carbon Monoxide Meter makes it easy to take quick and accurate measurements of CO levels. A large, backlit LCD display shows CO levels from 0 to 1000 PPM. The MAX Hold function stores and displays the maximum CO level. 1 year warranty.







Fluke CO 205  
Aspirator Kit

Fluke laser distance meters offer the most advanced measuring technology available. Unlike ultrasonic distance meters with laser pointers, these meters use a precision narrow laser beam that helps avoid the common errors caused by extraction that helps avoid the common errors caused by extraneous objects near measurement targets.

- Eliminate estimation errors, saving both time and money
- Instant measurement with one-button operation
- Easy targeting with bright laser
- Quick calculation of area (square footage) and volume
- Easy addition and subtraction of measurements
- 3 Years Fluke India warranty

## Specifications

Model	Fluke 414D	Fluke 419D	Fluke 424D
			
Features			
Typical Range	40m/130ft	80m/260ft	100m/330ft
Typical Measuring Tolerance	±2.0mm	±1.0mm	
Laser class	2		
Laser type	635 nm, <1 mW		
Protection class	IP40	IP54	
Automatic laser off	After 90 seconds		
Automatic power off	after 180 seconds		
Battery life (2 x AAA) 1.5 V NEDA 24A/IEC LR03	Up to 3,000 measurements	Up to 5,000 measurements	
Size (H X W X D)	116mm X 56mm X 33mm	127 mm X 56mm X 33mm	127mm X 56mm X 33mm
Weight (with batteries)	113 g	153 g	158 g
Safety	IEC Standard No. 61010-1:2001 EN60825-1:2007 (Class II)		
EMC	EN 55022:2010 EN 61000-4-3:2010 EN 61000-4-8:2010		



Twist to unlock Pull to open

## i2500-18 iFlex Flexible Current Probe for Fluke 374 Clamp Meter

- Extend the measurement range of select Fluke Clamp Meter upto 2500A AC
- Now measure awkward size conductors / bus bars with ease
- Improved wire access & ability to measure in tight spaces

## Fluke i1010

### Add AC/DC Current Measurement Capability to Your FLUKE DMM

- AC/DC Current Clamp, 600A AC, 1000A DC, CAT III-600V safety rating
- 1mV/Amp output guarantees easy reading on your meter
- Maximum conductor dia Ø 30 mm



## Fluke i410

### Add AC/DC Current Measurement Capability to Your FLUKE DMM

- AC/DC Current Clamp, 400A AC/DC, CAT-III 600V safety rating
- 1mV/Amp output guarantees easy reading on your meter
- Maximum conductor dia Ø 30 mm

## TL71 Test Lead Set

### Premium DMM Test Lead Set

- Flexible silicone insulated leads are heat and cold resistant
- Distinctive comfort grip probes
- Recommended for  $\mu$ V measurements
- CAT III 1000V, 10A, CAT IV 600V, 10A



## Fluke TL75

### Hard Point Test Lead Set

- Extremely hard alloy to resist tip wear
- 1.5m long PVC leads with comfort grip
- CAT III-1000V, CAT IV-600V safety rating

## Fluke TL175

### Twist Guard Test Leads with Patented Extendable Tip

- New! Wear Guard test lead wear indicator to indicate replacement of leads
- CAT III-1000V, CAT IV- 600V safety rating
- Advanced strain relief function for extra long working life



## Fluke ToolPak™

### TPAK - Toolpak Magnetic Meter Hanger

- Free both hands to make measurements
- Hangs you meter from metallic surface
- Kit includes universal hanger clips (two), hook & loop straps (2 lengths), adapter & strong magnets
- Ideal for 11x, 17x, 28x, 87V DMMs, 1503,1507,1577 & 1587 Insulation testers & 50 series digital thermometers

## Fuse

### Fuse for 115/15B/17B/179 Combo

Fuse, 11A, 1000V, FAST 406INX 1.5IN, BULK

### Fuse for 15B/17B

Fuse, 500 MA, 1000 VOLT AC/DC, FAST, 6.35 X 32MM, BULK

### Fuse for 179 Combo

Fuse, 440A, 1000V, FAST, 406X 1.375, BULK

### Fuse for 1503/1507

Fuse, 315 MA, 1000 V AC/DC, FAST, 6.35 X 32 MM, BULK





Did you know that the Fluke after sales service team can offer you much more than repairing and calibrating of your instrument when it is needed? Fluke service center is backed by the product specialists and experts with multi years of experience and are focused on offering the best and most comprehensive after sales service for Fluke Instruments.

### So why should you use Fluke service?

- Original manufactures' parts used
- All instruments reviewed for latest updates and upgrades considered
- In depth product knowledge
- Accredited calibrations available on select models
- Traceable OEM calibration available on all products

### Fluke service centers handle a wide range of equipment.

As part of Fluke's continuing focus on improving our service to our customers, we now offer a comprehensive range of repair and calibrations on a vast range of instruments.

**Fluke's calibration labs use world renowned multi-product calibrators with latest MET/CAL metrology software programs that assist in calibrating Electronic Test and Measuring instruments. Our calibration labs not only verify calibration but also do calibration adjustments, if found out of spec.**

All you need to do is give a call or write to us for repair & calibration and benefit from following advantages:

- Higher customer satisfaction through quality service
- Minimum turnaround time
- High value for money
- Rate contracts for multi-year calibrations
- On site Calibration for bigger contracts
- Both service & calibration for Fluke instruments under the same roof

### Service centers in India :

**Tektronix India Pvt Ltd.**  
4/2 Samrah Plaza, St. Marks Road,  
Bangalore-560 001 INDIA  
Ph : 080-3079-2600  
Fax : 080-3079-2688  
Email : [india-service@tektronix.com](mailto:india-service@tektronix.com)

**Tektronix India Pvt Ltd.**  
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Dapode Village, Near Gajanan Petrol Pump,  
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