

Electrical Testers

The Fluke line of electrical testers and voltage detectors are designed for use in every application and in nearly any environment. From non-contact voltage detectors and voltage testers with continuity detectors, to open-jaw current testers and open fork testers with FieldSense™ technology (for capturing voltage and current measurements without test leads), these testers are accurate, safe and easy to use. You'll also find motor phase rotation testers and voltage meters that are safer than solenoid testers.



Fluke T+ and T+PRO Electrical Testers



The expert's choice for building diagnostics

These electrical testers have all the advantages of 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 electrician. This full-featured electrical tester includes voltage and continuity measurement, a Rotary Field Indicator, resistance, and a digital display with 0.1 V resolution.

The Fluke T+ is the basic electrical tester for residential electricians and HVAC technicians, who need a durable, reliable tool for testing voltage and continuity.

Recommended Accessories



AC285
SureGrip™
Alligator Clips



TP2
Slim Reach
Test Probes



C37XT
EVA Foam Hard Case



C11XT
EVA Foam Hard Case

Added functionality available only on the T+PRO:

- Backlit LCD display for easier viewing
- Display resolution of 0.1 V, ideal for troubleshooting low-voltage lighting
- Resistance (Ohms) to 9.99 kOhms
- Rotary Field Indication
- Display Hold for easier viewing in hard-to-test areas



Specifications

Temperature	Operating	-10°C to 55°C (14°F to 131°F)
	Storage	-30°C to 60°C (-22°F to 140°F)
Relative Humidity	90%	0°C to 30°C (32°F to 86°F)
	45%	30°C to 40°C (86°F to 104°F) 40°C to 50°C (104°F to 122°F)
Altitude	Operating	2,000 m (approx. 6,561.6 ft)
		Storage
Battery Type/Life	AAA (2); 40 hours	
Shock, Vibration	Sinusoidal vibration per MIL-PRF-28800F for a Class 2 instrument	
Safety	ISA-82.02.01 (IEC 61010-1 Mod) Second Edition, CAN/CSA-C22.2 No. 61010-1 Second Edition, IEC 61010 - 1 to 1000 V CAT III/600 V CAT IV Compliance to NFPA 70E ¹	
AC Bandwidth	45 Hz to 66 Hz	
Maximum Working Voltage	1000 V AC/DC	
Maximum Measurable Voltage	600 V AC/DC	
Duty Cycle	Indefinitely for voltages up to 240 V For voltages between 240 V and 600 V the duty cycle is 30 s on / 300 s off	
	For voltages above 240 V the tester must connect to a voltage source only for a MAXIMUM of 30 s and then disconnect for a MINIMUM of 300 s	
Voltage Hazard LED	LEDs turn on at voltages > 30 V AC/DC ±35%	
LED Voltage Indication Levels	12 V, 24 V, 48 V, 120 V, 208 V, 240 V, 277 V, 480 V, 600 V	
LEDs	LEDs turn on between 90% and 100% of the indicated voltage on the LED, except for the 12 V LED which turns on between 50% and 100%	
LCD Accuracy	AC voltage	±(3% rdg + 2 digits)
	DC voltage	±(2% rdg + 2 digits)
	Resistance	±(5% rdg + 3 digits)
LCD Resolution	0.1 V for voltages < 50 V, 1 V for voltages ≥ 50 V 0.01 kΩ for resistance measurement	
GFCI Test Current	100 V - 150 V @ 6 mA - 9 mA AC, 150 V - 240 V < 12 mA	
Standard Input Test Current	< 5 mA	
Size (H x W x L)	3.3 x 5.46 x 19.3 cm (1.3 x 2.15 x 7.6 in)	
Weight	0.28 kg (9.9 oz)	

¹ When used properly per Article 110.9 Use of Equipment (A) Test Instruments and Equipment.

Included Accessories

- Test leads and probes
- Two AAA batteries
- Test lead strap for managing leads

Optional Accessories

- H3 Belt Holster
- TP2 replacement test probes

Ordering Information

FLUKE T+PRO Electrical Tester

FLUKE T+ Electrical Tester

FLUKE T+PRO-1AC KIT Electrical Tester and AC Voltage Detector Kit

Contact your local distributor for price and availability.

fluke.com/wtb

Fluke T6 Series Electrical Testers with FieldSense™



Fluke T6-600

Fluke T6-1000

Fluke T6-1000 PRO



Measure voltage without test leads

Measure voltage up to 1000 V AC through the open fork, without test lead contact to live voltage.* Without opening covers or removing wire nuts; on wires up to 4/0 (120 mm²), carrying as much as 200 A. It will change your job.

- FieldSense™ technology for AC voltage, current and frequency measurement without making electrical contact to live voltage*
- Simultaneous voltage and current display (T6-1000 & T6-1000 PRO) – shows all power supply measurements at a glance for efficient troubleshooting
- T6-1000 PRO features Visual Continuity™ – the screen automatically lights up green for continuity, perfect when it's too loud to hear the beeper
- Works with wire up to AWG 4/0 (17.8 mm jaw opening)
- HOLD button temporarily freezes the reading for easy viewing
- Easy to read display with backlight
- Accepts optional Fluke TPAK Magnetic Meter Hanger for convenient operation
- Two-year warranty

*Voltage measurement requires capacitive path to ground, provided through user in most applications. Ground connection via test lead may be required in some situations.

The Full Package

The Fluke T6-1000 PRO Electrical Tester comes with a belt holster and black alligator clip as standard. Measure wires up to AWG 4/0 (120 mm²), carrying as much as 200 A and 1000 V AC, even with gloves on.



Recommended Accessories



C37XT
EVA Foam Hard Case



T5-RLS
T5 Replacement Test Leads



PRV240FS
Proving Unit



AC285
SureGrip Alligator Clips

Recommended Kit

Bundle & Save



Fluke T6-1000/PRV240FS
Proving Unit Combo Kit

FieldSense™ Enabled



Non-contact voltage measurement made possible with Fluke's FieldSense™ technology.

Get voltage measurements faster, easier and safer than ever. No direct electrical contact means less potential for electric shocks and arc flash.



Specifications		T6-600	T6-1000/ T6-1000 PRO		
Function	Requires Test Leads	Range	Range	Resolution	Accuracy ¹
FieldSense™ AC voltage	No	600 V	1000 V	1 V	±(3% + 3 counts) ^{2 3} 45 Hz – 66 Hz
FieldSense™ AC current	No	200.0 A	200.0 A	0.1 A	±(3% + 3 counts) 45 Hz – 66 Hz
FieldSense™ frequency (Hz)	No		45 Hz – 66 Hz	1 Hz	±(1% + 2 counts) ³
Volts AC	Yes	600 V	1000 V	1 V	±(1.5% + 2 counts) 45 Hz – 66 Hz
Volts DC	Yes	600 V	1000 V	1 V	±(1% + 2 counts)
Resistance	Yes	2000 Ω	2000 Ω	1 Ω	±(1% + 2 counts)
	Yes		20.00 kΩ	0.01 kΩ	±(1% + 2 counts)
	Yes		100.0 kΩ	0.1 kΩ	±(1% + 2 counts)
Visual Continuity:		No	T6-1000: No T6-1000 PRO: Yes		
Audible Continuity:		Yes	Yes		
Safety Compliance (IEC 61010-2-032)		CAT III 600 V	CAT III 1000 V CAT IV 600 V		
Accessories Included		No	T6-1000: No T6-1000 PRO: Yes		

Accuracy¹: ±[(% of reading) + (number of least significant digits)]. Accuracy is specified for 1 year after calibration, at 18° C to 28° C (64°F to 82°F) with relative humidity to 90%. AC conversions are ac-coupled, RMS responding.

Accuracy²: Add 3% without an external ground connection. External ground connection required for user wearing insulated gloves, standing on an insulated ladder and otherwise insulated from earth ground.

Accuracy³: FieldSense™ specified from 16V to 100% of range.

Included Accessories

Attached Test Leads with removable 4 mm Probe Cap and User Documentation.

Ordering Information

- T6-600** Electrical Tester
- T6-1000** Electrical Tester
- T6-1000 PRO** PRO Electrical Tester
- T6-600/62MAX+/1AC** T6-600 Tester, 62MAX+ & 1AC-II Kit
- T6-HT6-1AC KIT** T6-1000 Tester, H-T6 Holster & 1AC Kit
- T6-1000/PRV240FS** T6-1000 & PRV240FS Proving Unit Kit



Fluke T5 Series Electrical Testers




Fluke T5 Series Voltage, Continuity and Current Testers


The Fluke T5 Electrical Testers let you check voltage, continuity and current with one compact tool. OpenJaw™ current lets you check current up to 100 A AC - without breaking the circuit. Its tough test leads stow neatly in the back of the tester, making it easy to tote the T5 in your tool pouch. Detachable SlimReach™ test probes are customized for national electrical standards. The test leads accept optional accessories such as clips and specialty probes. Available in 600 V and 1000 V models.

- Excellent front-line troubleshooting and measurement tool
- Available in 600 V and 1000 V models
- Digital display
- OpenJaw™ current measurement
- Rotary switch selects volts, amps and ohms functions
- Heavy-duty test leads
- Two-year warranty


Recommended Accessories Fluke T5 Series




C37XT
EVA Foam Hard Case



TP1
Slim Reach Test Probes



T5-KIT
Starter Kit



T5-RLS
T5 Replacement Test Leads



Functions	T5-1000	T5-600
Measure AC/DC voltage	1000 V	600 V
Measure AC current (average)	100 A	100 A
Measure continuity	< 25 Ω	< 25 Ω
Measure resistance	1000 Ω	1000 Ω
DC polarity indicator	Yes	Yes
Detachable probe tips with optional probe tips styles	Yes	Yes
Safety Compliance (IEC 61010-2-032)	CAT III 1000 V	CAT III 600V

*Voltage levels will vary depending on country of intended use.

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.

Fluke now offers three models of non-contact voltage detectors, making sure you have the right tool for the job.

Two-year warranty.



Functions	1AC II	1LAC II	2AC	LVD2
Voltage	90 V AC to 1000 V AC	20 V AC to 90 V AC	90 V AC to 1000 V AC	90 V AC to 900 V AC
CAT Rating	CAT IV 1000 V	CAT IV 1000V	CAT IV 1000 V	CAT IV 600 V
Voltage Detection	•	•	•	•
Batteries Included	•	•	•	•
On/Off Button	•	•	Always On	•
Voltbeat™	•	•		
Audible/Silent	•	•		
LED Flashlight				•
Battery Check:			•	

Included Accessories

Fluke T5-600 & T5-1000:
Detachable Probes and Instruction Sheet.

Ordering Information

FLUKE T5-600	Electrical Tester
FLUKE T5-1000	Electrical Tester
FLUKE 1AC-II	VoltAlert™ Voltage Detector
FLUKE 1LAC II	VoltAlert™ Voltage Detector
FLUKE 2AC	VoltAlert™ Voltage Detector
FLUKE LVD2	Volt Light

Contact your local distributor for price and availability.
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Fluke ST120+ and ST120 GFCI Socket Testers



Fluke ST120+



Fluke ST120

Fluke ST120+ and ST120 GFCI Socket Testers

The Fluke ST120+ GFCI Socket Tester with Beeper and the ST120 GFCI Socket Tester checks that each wire in the outlet is properly connected to the building's electrical system. Via the bright LEDs and included chart on the front of the tester you can quickly and easily verify the wiring of an outlet. Able to identify several common wiring errors, including reversed phase and neutral wires and an open ground, the ST120+ and ST120 will give you confidence on your next job.

- Simple operation – Plug into socket; with the bright, easy-to-see LEDs, verify correct wiring or identify common wiring problems in both standard and GFCI outlets
- Save time – Eliminate multiple trips back and forth by using the beeper to help identify if breaker is switched on or off.
- GFCI outlets—with an integrated GFCI test, you can feel secure knowing that your GFCI equipped outlets are functioning properly.

Recommended Accessories



Pack30
Tool Backpack



TB25
Tool Bucket Organizer Bag



Specifications	ST120+	ST120
Rated Operating Voltage	110 – 125 V AC	
Wattage	0.3W	
Frequency	50/60 Hz	
Integrated, switchable beeper	Yes	No
GFCI Test	Yes	
Indicator Lights	1 red, 2 green LEDs	
Safety Rating	CAT III 300V	
Warranty	Two years	

Ordering Information

FLUKE-ST120	GFCI Socket Tester
FLUKE-ST120+	GFCI Socket Tester with Beeper

Fluke 9040 Phase Rotation Indicator



Fluke 9040

Take the guesswork out of phase/motor rotation measurements

The Fluke 9040 is effective for measuring phase rotation in all areas where 3-phase supplies are used to feed motors, drives and electrical systems. The Fluke 9040 is a rotary field indicator and can provide clear indication of 3-phase via an LCD display and the phase rotation direction to determine correct connections. It allows rapid determination of phase sequence and has a voltage (up to 700 V) and frequency range suitable for commercial and industrial applications. Test probes supplied with the instrument have a variable clamping range for safe contact, especially in industrial sockets per IEC 61557-7.

- 3-phase indication
- Indication of phase rotation
- Clear LCD display
- No battery required
- Two year warranty

Specifications	
Voltage range	40 - 700 V
Phase display	-
Frequency range	15 - 400 Hz
Operating time	Continuous
Size	124 × 61 × 27 mm (4.88 × 2.40 × 1.06 in)
Power supply	from unit under test
Weight	0.20 kg (7.05 oz)
Safety Compliance	(IEC 61010-2-030)- CAT IV 300 V, CAT III 600 V

Recommended Accessories



TLK290
Flexible Socket Probe Set



TLK291
Fused Test Probe Set



C25
Meter Case

Included Accessories

Alligator Clips - Black (3),
Standard Test Probes - Black (3),
Flexible Test Probes - Black (3),
Two AA Batteries, User Manual.

Ordering Information

FLUKE-9040	Phase Rotation Indicator
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Contact your local distributor for price and availability.
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