TECHNICAL DATA

Fluke 2062 Advanced Pro Wire Tracer Kit

Key features

- Locate energized and de-energized wires quickly and accurately in walls, ceilings, and floors
- Patented Smart Sensor™ locates and displays energized wires on color display
- Find breaks or opens and shorts, and identify breakers and fuses easily
- CAT IV 600 V safety rated
- Includes the i400 AC Current Clamp accessory for inducing a tracing signal on the cable when there is no access to bare conductors

Product overview: Fluke 2062 Advanced Pro Wire Tracer Kit

Built to Keep You Safe

The Fluke 2062 Advanced Pro Wire Tracer accurately and safely troubleshoots energized and de-energized wires in residential, commercial, and industrial environments up to CAT IV 600 V. This CAT rating offers the highest protection available on any wire tracer. It's designed to protect you from the most dangerous levels of transient overvoltage, spikes up to 8,000 V, that can occur in industrial and utility environments. This is especially important for scenarios you may encounter in environments like industrial plants, factories, and hospitals where critical equipment cannot be taken offline.

Smarter Tracing Saves Time

The patented Smart Sensor™, available only on the Fluke 2062, makes wire tracing faster and easier. It locates and displays energized wires within walls, floors, and ceilings on a high-resolution 3.5-inch TFT LCD color display. Embedded help screens on the display makes it easy to use, whether you're a novice or an expert. While the tip sensor provides an audible tone when locating wires, the Smart Sensor helps visualize and pinpoint the orientation of energized wires, eliminating guesswork.

Wire Tracing Customized for Your Application

Whether troubleshooting electrical wiring and equipment in residential homes, commercial buildings, or high-voltage utility plants, the Fluke 2062 can find breaks or opens and shorts. Its different modes and functions give you the flexibility to troubleshoot a wide range of electrical wiring and circuitry problems you may encounter on the job.

Four Receiver Tracing Modes

The 2062-R Receiver detects the signal in wires and cables using two methods: passive tracing without the transmitter for non-contact voltage detection and active tracing with the transmitter for all other modes. The receiver's tip sensor can trace wires in corners, tight spaces, and junction boxes.

- "Smart Sensor" mode for energized wire detection and visualization on the large color LCD
- "Tip Sensor" mode for more precise detection of a wire
- "Breaker" mode for easy breaker and fuse identification based on the highest recorded signal detected from the transmitter
- "Non-Contact Voltage Detection" mode to trace energized wires without the use of the transmitter

Three Transmitter Power Modes

The 2000-T Transmitter works on energized and de-energized circuits up to CAT IV 600 V and features high, low, and loop modes. These modes change the strength of the induced signal and can help provide more accurate results, depending on the circuit you're tracing.

- "High" mode for normal energized and de-energized circuits
- "Low" mode for precision tracing with a low signal to reduce coupling to nearby wires and metal objects
- "Loop" mode for closed loop de-energized circuits

Two Transmitter Output Frequencies

The 2000-T automatically senses whether the system is energized or de-energized and selects a 6 kHz or 33 kHz output frequency.

Eight Receiver Sensitivity Levels

More sensitivity levels mean more flexibility and accuracy when tracing.

Complete Kit

The Fluke 2062 Advanced Pro Wire Tracer Kit conveniently comes with everything required to start tracing wires and circuits. The accessory kit includes test leads, test probes, blade and round outlet adapters, and alligator clips to connect the transmitter to electrical systems. Connecting the transmitter to a bare conductor with the included alligator clips and test leads will always provide the most accurate results. However, in situations where a direct connection to a bare conductor is not available, the included i400 Current Clamp can be used with the "Loop" mode to induce a boosted 6 kHz signal through the insulation. The kit also includes a magnetic hanger strap, batteries, and a hard carrying case.

Specifications: Fluke 2062 Advanced Pro Wire Tracer Kit

General	2062R Receiver	2000T Transmitter	i400 AC Current Clamp
Measurement category	CAT IV 600 V	CAT IV 600 V	CAT IV 600 V, CAT III 1000 V
Operating voltage	600 V AC/DC	600 V AC/DC	1000 V AC
Operating frequency	Energized: 6.25 kHz De-Energized: 32.768 kHz	Energized/Loop: 6.25 kHz De-Energized: 32.768 kHz	N/A
Signal indications	Numeric, bar graph display and audible beep	LEDs and audible beep	N/A

Response time	Smart Sensor: 500 ms Tip Sensor (Energized/De-Energized): 500 ms NCV: 500 ms Battery monitoring: 5 s	Line voltage monitoring: 1 s Battery voltage monitoring: 5 s	N/A
Current output of signal (typical)	N/A	**Energized circuit:** High mode: 60 mA rms Low mode: 30 mA rms **De-energized circuit:** High mode: 110 mA rms Low mode: 40 mA rms Loop mode with test leads: 160 mA rms Loop mode with i400 AC Current Clamp: 385 mA rms	N/A
Signal voltage output (nominal)	N/A	**Energized circuit:** High mode: 14 W @ 230 V ac/50 Hz, 3.33 kΩ @ 230 V ac Low mode: 4.6 W @ 230 V ac/50 Hz, 11.5 kΩ @ 230 V ac **De-energized circuit:** High mode: 31 V RMS, 140 Vp-p, 0.86 W @ 1 kΩ load Low mode: 27.5 V RMS, 120 Vp-p, 0.1 W @ 1 kΩ load Loop mode with test leads: 32 V RMS, 140 Vp-p, 0.87 W @ 1 kΩ load Loop mode with i400 AC Current Clamp: 31 mV, 0.89 W @ 1 Ω load	N/A
Range detection (open air)	**Smart Sensor Direction Indication Mode** ≤15 cm (6 in), 230 V AC, high mode, sensitivity level 2 **Tip Sensor: Energized** Max distance via air: up to 6.1 m (20 ft) Pinpointing: approx. 5 cm (1.97 in) **Tip Sensor: De-Energized** Max distance via air: up to 4.5 m (14.7 ft) Pinpointing: approx. 5 cm (1.97 in) **NCV (40 Hz to 400 Hz)** Max. sensitivity: 90 V up to 2 m Min. sensitivity: 600 V up to 1 cm		N/A
Current range	N/A	N/A	400 A
Basic accuracy	N/A	N/A	2 % + 0.06 A (45 Hz to 400 Hz)

Display			
Display size	LCD 89 mm (3.5 in)	LEDs	N/A
Display dimensions (W x H)	70 mm x 52 mm (2.76 in x 2.07 in)	N/A	N/A
Display Resolution	480 px x 320 px	N/A	N/A
Display type	Color TFT LCD	LEDs	N/A
Display color	16-bit	Operating mode LEDs: red Battery status LEDs: green, yellow, red	N/A
Backlight	Yes	N/A	N/A

Environmental			
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F)	-20 °C to 50 °C (-4 °F to 122 °F)	-20 °C to 50 °C (-4 °F to 122 °F)
Operating humidity	45%: -20 °C to <10 °C or 40 °C to 50 °C (-4 °F to <50 °F or 104 °F to 122 °F) 95% (non-condensing): 10 °C to <30 °C (50 °F to 86 °F) 75%: 30 °C to <40 °C (86 °F to <104 °F)	45%: -20 °C to <10 °C or 40 °C to 50 °C (-4 °F to <50 °F or 104 °F to 122 °F) 95% (non-condensing): 10 °C to <30 °C (50 °F to 86 °F) 75%: 30 °C to <40 °C (86 °F to <104 °F)	10 °C to <30 °C (95 %: 50 °F to <86 °F) 30 °C to <40 °C (75 %: 86 °F to <104 °F) 40 °C to <50 °C (45 %: 104 °F to <122 °F)
Operating altitude	2000 m (6561 ft)	2000 m (6561 ft)	2000 m (6561 ft)
Transient protection	N/A	8.00 kV (1.2/50µS surge)	N/A
Pollution degree	2	2	2
IP rating	IP 40	IP 40	IP 40
Drop test	1 m (3.28 ft)	1 m (3.28 ft)	1 m (3.28 ft)

Mechanical			
Power supply	4 x AA (alkaline)	8 x AA (alkaline)	N/A

Power consumption (typical)	110 mA	High/low mode: 70 mA Loop mode with Clamp: 90 mA Consumption without signal transmission: 10 mA	N/A
Battery life	Approx. 20 h	High/low mode: approx. 25 h Loop mode: approx. 18 h	N/A
Low battery indication	Yes	Yes	N/A
Fuse	N/A	1.6 A, 700 V, fast-acting, Ø 6 x 32 mm, 50 kA interrupt	N/A
Maximum conductor size	N/A	N/A	32 mm (1.26 in)
Dimensions (L x W x H)	Approx. 277 x 112 x 65 mm (10.92 x 4.43 x 2.55 in)	Approx. 183 x 93 x 50 mm (7.2 x 3.66 x 1.97 in)	Approx. 150 x 70 x 30 mm (5.9 x 2.75 x 1.18 in)
Weight	Approx. 0.544 kg (1.20 lb)	Approx. 0.57 kg (1.25 lb)	Approx. 0.114 kg (0.25 lb)

Mechanical	**2000ACC Test Lead Accessory Kit**
Includes	2x 1 m test leads (red, black), 1x 7 m test lead (green), 2x test probes (black), 2x alligator clips (red, black), 2x outlet blade adapters (red, black), 2x outlet round adapters (red, black)
Measurement category	CAT IV 600 V (test leads), CAT II 1000 V (test probes), CAT IV 600 V (alligator clips), CAT II 300 V (outlet adapters)
Operating voltage and current	600 V, 10 A max. (red/black leads), 600 V, 10 A max. (green lead), 1000 V, 8 A max. (black probe) 600 V, 10 A max. (alligator clips), 300 V, 10 A max. (outlet adapters)
Operating temperature	0 °C to 50 °C (32 °F to 122 °F)
Operating humidity	10 °C to <30 °C (95 %: 50 °F to <86 °F), 30 °C to <40 °C (75 %: 86 °F to <104 °F), 40 °C to <50 °C (45 %: 104 °F to <122 °F)
Storage temperature and humidity	0 °C to 60 °C (32 °F to 140 °F), <95% (non-condensing)
Operating altitude	2000 m (6561 ft)
Pollution degree	2
Water and dust resistance	IP 20
Drop proof	1 m (3.28 ft)
Dimensions	Red/black leads: 1 m (3.28 ft), Green lead: 7 m (22.97 ft), Alligator clips: approx. 95 x 45 x 24 mm (3.74 x 1.77 x 0.94 in), Outlet adapters: 72 x 18 x 18 mm (2.83 x 0.71 x 0.71 in)
Weight	Approx. 0.4 kg (0.88 lb)

Ordering information

FLUKE-2062

Includes:

- Fluke 2062R Advanced Pro Wire Tracer Receiver with Smart Sensor™
- Fluke 2000T Advanced Wire Tracer Transmitter
- i400 AC Current Clamp
- Fluke 2000ACC Test Lead Accessory Kit for 2052/2062
- Smart strap magnetic hanger
- Premium hard carrying case
- Batteries
- Quick reference guide

Optional accessories	Description
Fluke i400 AC Current Clamp	Fluke i400 AC current clamps extend the use of digital multimeters. Get a single range 400 A AC clamp in a compact shape.
Fluke TPAK ToolPak™ Magnetic Meter Hanger	Powerful magnetic strap for safe, hands free measurements.
CXT1000 Extreme Hard Case	The CXT1000 is a rugged hard case that allows you to configure the diced foam interior to store, protect, and carry your all your Fluke test tools and accessories.

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