



AT-6000-EUR Series Advanced Wire Tracer Series

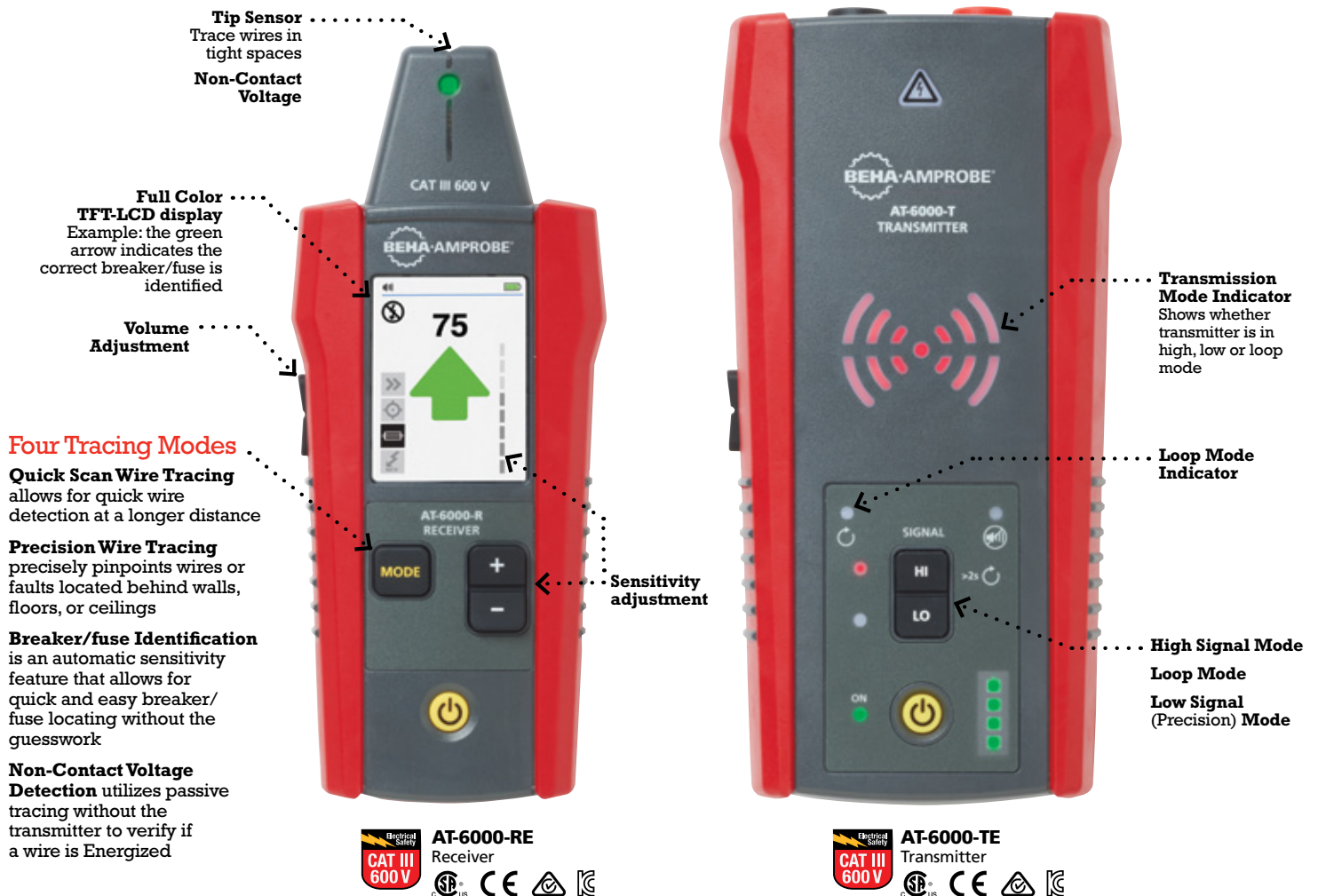
Trace energized/de-energized wires, identify breakers and fuses

The AT-6000-EUR Series, available in two different kits, combines a receiver and powerful transmitter to locate energized and de-energized wires, breakers and fuses. Whether you're a novice or an expert, the Beha-Amprobe advanced wire tracer kit will help you get the job done fast.

The AT-6000-RE Receiver detects the signal in wires and cables using two methods: active tracing method (with the Transmitter) and passive tracing method (without the Transmitter). In hard-to-reach areas, the Receiver's Tip Sensor can be used to trace wires in corners, tight spaces and junction boxes. The breaker/fuse mode provides an advanced tracing function to locate and identify the correct breaker/fuse in a quick and very convenient way.

The AT-6000-TE Transmitter works on Energized and De-energized circuits up to 600 V AC/DC in Category I through Category III electrical environments and features high signal, low signal, and loop modes. The Breaker Identification feature eliminates confusion of multiple false positives, common with older technology tracing tools, by identifying the one correct breaker or fuse with the highest recorded signal.

The CT-400-EUR Signal Clamp (optional for AT-6020-EUR, included with AT-6030-EUR) is used for applications where there is no access to the bare conductors by enabling the AT-6000-TE Transmitter to induce a signal into a wire through the insulation.



Four Tracing Modes

Quick Scan Wire Tracing allows for quick wire detection at a longer distance

Precision Wire Tracing precisely pinpoints wires or faults located behind walls, floors, or ceilings

Breaker/fuse Identification is an automatic sensitivity feature that allows for quick and easy breaker/fuse locating without the guesswork

Non-Contact Voltage Detection utilizes passive tracing without the transmitter to verify if a wire is Energized

Safety Certification

All Beha-Amprobe tools, including the Beha-Amprobe AT-6000-EUR Series, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Beha-Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



Trace energized and de-energized wires/cables

Identify the single correct breaker

Main Applications

- Trace Energized and De-energized wires
- Identify breakers and fuses
- Non-contact voltage mode and passive tracing

Special Applications

- RCD-protected circuit wire tracing
- Find breaks, openings, and shorts
- Trace non-metallic pipes and conduits
- Trace wires in metal conduit
- Trace shielded wires
- Trace underground wires
- Trace low voltage wires and data cables
- Sort bundled wires
- Map circuits
- Trace breakers/fuse on system with light dimmers
- CT-400-EUR signal clamp (AT-6030-EUR kit) to allow tracing when there is no access to bare conductors



Features

	AT-6000-RE Receiver	AT-6000-TE Transmitter	CT-400-EUR Signal Clamp
Measurement category	CAT III 600 V		CAT IV 600 V, CAT III 1000 V
Operating voltage	0 to 600 V AC/DC		0 to 1000 V AC
Operating frequency	Energized: 6.25 kHz De-Energized: 32.768 kHz		Wire tracing: 32.768 kHz
Voltage detection	See NCV detection	> 30 V AC/DC	–
Signal indications	Numeric, bar graph display and audible beep	LEDs and audible beep	–
Response time	Tip Sensor (energized/de-energized): 500 ms NCV: 500 ms Battery voltage monitoring: 5 sec	Line voltage monitoring: 1 sec Battery voltage monitoring: 5 sec	Instantaneous
Current output of signal (typical)	–	Energized circuit: HI mode: 60 mA RMS LO mode: 30 mA RMS De-energized circuit: HI mode: 130 mA RMS LO mode: 40 mA RMS Loop mode: 160 mA RMS	–
Signal voltage output (nominal)	–	De-energized circuit: LOW: 29 V RMS, 120 Vp-p HIGH: 33V RMS, 140 Vp-p With CT-400-EUR: loop model: 31 V RMS, 120 Vp-p	De-energized circuit: 2.4 V RMS, 24 Vp-p
Range detection (open air)	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 detection (40 to 400 Hz): Max. sensitivity: 90 V up to 2 m (6.56 ft) Min. sensitivity: 600 V up to 1 cm (0.39 in)	–	–



Specifications

	AT-6000-RE Receiver	AT-6000-TE Transmitter	CT-400-EUR Signal Clamp
Display size	LCD 6.35 cm (2.5 in)	LEDs	–
Display dimensions (W x H)	36.72 x 48.96 mm (1.45 x 1.93 in)	–	–
Display resolution	240 x 320 pixels (RGB)	–	–
Display type	TFT-LCD (262 K)	LEDs	–
Display color	True, 16bit/color	Operating mode LEDs: red Battery status LEDs: green, yellow, red	–
Booting time	< 3 sec	< 2 sec	–
Backlight	•	–	–
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F)		0 °C to 50 °C (32 °F to 122 °F)
Operating humidity	45%: -20 °C to <10 °C (-4 °F to <50 °F) 95%: 10 °C to <30 °C (50 °F to <86 °F) 75%: 30 °C to <40 °C (86 °F to <104 °F) 45%: 40 °C to 50 °C (104 °F to 122 °F)		95%: 10 °C to <30 °C (50 °F to <86 °F) 75%: 30 °C to <40 °C (86 °F to <104 °F) 45%: 40 °C to <50 °C (104 °F to <122 °F)
Storage temperature and humidity	-20 °C to 70 °C (-4 °F to 158 °F), <95% RH		0 °C to 50 °C (32 °F to 122 °F)
Operating altitude	0 to 2000 m (0 to 6561 ft)		
Transient protection	–	6.00 kV (1.2/50µs surge)	–
Pollution degree	2		
IP rating	IP 52	IP 40	
Drop test	1 m (3.28 ft)		
Power supply	4 x AA (alkaline or NiMH rechargeable)	8 x AA (alkaline or NiMH rechargeable)	–
Power consumption (typical)	110mA	Hi/Lo mode: 70 mA Loop mode with Clamp: 90 mA Consumption without signal transmission: 10 mA	–
Battery life (typical)	Approx. 16 h	Hi/Lo mode: approx. 25 h Loop mode: approx. 18 h	–
Low battery indication	•	•	–
Fuse	–	1.6 A, 700 V, fast-acting, Ø 6x32mm	–
Maximum conductor Size	–	–	1.26 in (32 mm)
Dimensions (L x W x H)	Approx. 183 x 75 x 43 mm (7.2 x 2.95 x 1.69 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. 0.57 kg (1.25 lb)	Approx. 2.8 kg (6.18 lb)	Approx. 0.114 kg (0.25 lb)
Certifications			

NOTE: Refer to user manual for ADPTR-SCT and TL-6000 specifications.

Included in Wire Tracer Kits

	AT-6020-EUR	AT-6030-EUR
AT-6000-RE Receiver	•	•
AT-6000-TE Transmitter	•	•
TL-7000-EUR Test Lead and Accessory Kit	•	•
ADPTR-SCT-EUR Socket-check adapter	•	•
CT-400-EUR Signal Clamp	(Optional)	•
CC-6000 Hard Carrying Case	•	•
User Manual	•	•
12 - 1.5 V AA (IEC R6) Batteries	•	–
12 - Rechargeable Batteries	–	•
3 - Battery Chargers	–	•

(charger and batteries are not available to order separately)

AT-6020-EUR



AT-6030-EUR



Beha-Amprobe®
Division of Fluke Corp. (USA)
c/o Fluke Europe BV

Fluke Deutschland GmbH
In den Engematten 14
79286 Glottertal, Germany
Tel. +49 (0) 7684 - 8009-0
info@beha-amprobe.de
beha-amprobe.de

Fluke Europe BV
Science Park Eindhoven
5110 NL-5692 EC Son
The Netherlands
Tel. +31 (0) 40 267 51 00
beha-amprobe.com

Fluke Precision Measurement Ltd.
52 Hurricane Way
NR6 6 JB United Kingdom
e-mail: info@beha-amprobe.co.uk
beha-amprobe.com