

TECHNICAL DATA

Fluke BK120 SmartTrace™ Breaker Finder with NCV mode



Key features

- Locates the correct breaker quickly and accurately
- Advanced NCV mode enables the detection of AC voltage on supply cords or terminal strips, indicating proximity and actual voltage presence in both low and high voltage situations
- GFCI outlets—with an integrated GFCI test, you can feel secure knowing that your GFCI equipped outlets are functioning properly

Product overview: Fluke BK120 SmartTrace™ Breaker Finder with NCV mode

Easy to use and accurate

The BK120 is a tool for identifying circuit breakers and detecting voltage in electrical panels. This must-have device is perfect for electricians, homeowners, and maintenance professionals who want to simplify their electrical work and troubleshooting. The BK120 has two main components:

- the Breaker Finder and
- the Transmitter.

With BK120, you can work more safely and efficiently, saving time by accurately identifying circuit breakers without guesswork. The BK120 is suitable for CAT III 150 V environments, making it versatile for residential and commercial applications with a compact and ergonomic design to ensure comfortable handling during prolonged use.

Dual-sensitivity

- Indicates proximity and actual detection of AC voltage on supply cords or terminal strips with advanced NCV mode, catering to both low and high voltage situations.

One-button GFCI tests

- The one-button GFCI tests consist of a transmitter connected to the electrical outlet or fixture, allowing you to test the operation of GFCI outlets.

Audible and Visual Alerts

- The Breaker Finder offers both audible alerts and visual cues to signal the presence of AC electric fields and identify the correct breaker.

Specifications: Fluke BK120 SmartTrace™ Breaker Finder with NCV mode

	BK120 Transmitter	BK120 Receiver
Safety rating	CAT III 150 V	CAT III 150 V
Rated operating voltage	110 V AC to 125 V AC at 6 mA	—
Rated frequency	50/60 Hz	—
GFCI test	✓	—
Wiring check	✓	—
Wiring indication	1 red, 2 green	—
Breaker finder indication	—	Visual and audio
NCV detection	—	90 V AC to 240 V AC, 50/60 Hz Dual sensitivity Visual and audio indications
Flashlight	—	✓
Auto power off	—	✓
Low battery indication	—	✓
Power supply	Line powered	2 AAA

Ordering information



Fluke BK120

Fluke BK120 SmartTrace™ Breaker Finder

Part#: 5587527

Includes:

- Breaker Finder Receiver
- Transmitter
- Batteries
- Quick Reference Guide

Optional accessories Description

Fluke C50 Meter Case Carry your 11X series digital multimeter on your belt

Fluke. *Keeping your world up and running.®*

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

For more information call:
In the U.S.A. (800) 443-5853
In Canada (800) 36-FLUKE
From other countries +1 (425) 446-5500
www.fluke.com

©2026 Fluke Corporation.
Specifications subject to change without notice.
08/2026

**Modification of this document is not permitted
without written permission from Fluke
Corporation.**