

Open Circuits

Short Circuits

Wire Tracing

FF310

Short / Open Circuit Finder and Circuit Tracer



Simple to use:

- ▶ Connect the FF310 transmitter in series with the faulty circuit or wire (e.g.: in place of a blown fuse, across a connector, in series with an open wire, to a light bulb socket).
- ▶ Follow the faulty circuit or wire using the FF310 tracer's flexible probe, even behind panels, upholstery, inside conduits, harnesses, etc.
- ▶ When the signal indicators (light and sound) of the FF310 receiver stops, it indicates that you have found the trouble spot.

How it works

The FF310 consist of a set: one transmitter and one receiver (tracer). The FF310T (transmitter) when connected, injects a radio signal into the faulty circuit or wire, which allows to trace it with the FF310R (receiver) from several inches away, even when the wires are inside conduits, harnesses, or behind panels and upholstery.

The 8" flexible probe of the FF310 is designed to be use in constrained spaces, and a set of fuse blade connectors is provided for convenient connection of the FF310 transmitter in the socket of blown fuses or open circuits.

Main Features:

- ▶ 42 V Ready: for use in the new generation of vehicles with mixed or single 42 volt systems.
- ▶ Operates on DC voltages from 6 to 42 volts.
- ▶ Internally protected against power surges and overloads.
- ▶ 8" flexible probe allows reaching wires in congested places.
- ▶ Includes three sizes of blade type fuse socket connectors.
- ▶ Transmitter and receiver LEDs show open or short circuit conditions.
- ▶ Variable audio/visual signal provides fast and intuitive feedback on the circuit/wire proximity.
- ▶ Adjustable sensitivity for all tracing situations.
- ▶ No wire piercing required, non-contact technology.
- ▶ Tracing of wires is made possible even inside bundles, conduits, behind panels, under carpets, upholstery, etc.
- ▶ Transmitter has auto polarity and leads with 5 amps alligator clips.

Technical Specifications:

FF310T (transmitter)

- ▶ Input voltage: 6 to 42 VDC.
- ▶ Indicators: Green LED for power on and open circuits, red LED for short circuits.
- ▶ Power source: 1 x 9-volt alkaline battery, type Duracell MN1604 (included).
- ▶ Battery life: approximately 25 hrs. (w/alkaline battery).
- ▶ Connector: Two 5 A alligator clips with auto polarity and 18" long cable.

FF310R (receiver)

- ▶ Sensitivity: Three user selectable sensitivity levels (low, medium and high).
- ▶ Receiver probe: Flexible 8" (20 cm) gooseneck insulated steel probe.
- ▶ Indicators: Green LED indicator for power on and open circuits, red LED indicator for short circuits. Variable flashing and modulated audible signal.
- ▶ Power source: 1 x 9-volt alkaline battery, type Duracell MN1604 (included).
- ▶ Battery Life: Approximately 25 hrs. (w/alkaline battery). Auto power off feature to extend battery life.

Applications:

- ▶ Automobiles
- ▶ Trucks
- ▶ Trailers
- ▶ Boats
- ▶ Any 6 to 42 Volt DC powered circuits

Performs:

- ▶ Short circuit tracing
- ▶ Open circuit tracing
- ▶ Wire identification
- ▶ Wire/Circuit tracing
- ▶ Ground connection checks




FF310 set includes:

- ▶ FF310T (transmitter).
- ▶ FF310R (receiver).
- ▶ CT8002 Circuit Tester.
- ▶ Three sizes (Mini, ATO and Maxi) blade type fuse block connectors.
- ▶ Foam padded polypropylene carrying case.
- ▶ 2 x 9 Volt alkaline batteries.
- ▶ User's handbook.
- ▶ 1 year parts and labor warranty.



Other GTC products

 Product designed and manufactured in Canada



TA110
Laser tachometer and counter



CT8002
Professional cordless computer-safe circuit tester



ST05
Oxygen sensor tester and simulator



LTX Series
From -20° up to 1400 °F Infrared thermometers with laser sight



CM Series
From 1 mA up to 1000 A AC/DC current clamp meters



CT Series
Automotive and industrial digital multimeters



TA Series
Smartach - Tachometers and Engine Analyzers

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15/03/13

Printed in Canada