

S185A

LIVE CABLE IDENTIFIER

LIVE LV IDENTIFICATION · UP TO 440 V



IDENTIFY THE CABLE. KEEP THE SUPPLY ON.

Live low-voltage cable identification for field maintenance.

Identify the target cable within a group of energized LV cables. Compare pulse polarity and signal strength against a stored near-end reference.

Key Identification Highlights



KEEP POWER ON

Identify energized LV cables without interrupting supply for the identification test.



POLARITY & AMPLITUDE

Compare pulse direction and strength to distinguish the target from adjacent cables.



CALIBRATE & LOCK

Store the near-end response. Gain stays fixed during on-site comparison.



FLEXIBLE ACCESS

Probe compatible twisted-conductor cables when the coil cannot fit.

Where It Works

LV DISTRIBUTION PANELS

Verify the selected outgoing feeder.

GROUPED LV CABLES

Distinguish the target within a cable group.

BUILDINGS & FACILITIES

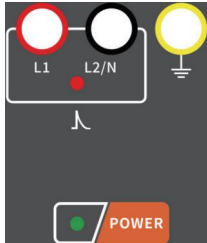
Identify LV circuits before maintenance.

Live Connection & Signal Verification

Direct connection to energized LV cables only.
Follow the manual and site safety procedures.

TRANSMITTER CONNECTION

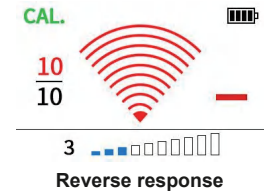
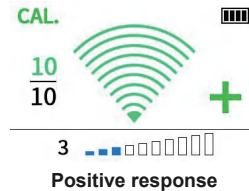
L1 → phase | L2/N → neutral / second phase



- 1. Protective earth**
Connect the yellow lead first.
- 2. L2/N**
Connect the black lead.
- 3. L1**
Connect the red lead last.

CALIBRATED SIGNAL RESPONSE

CAL. = stored reference · + / - = polarity



Compare signal direction and strength.
Check every cable to confirm a unique target.

How To Test — 4 Steps

1

CONNECT

Check ratings and PPE.
Connect protective earth first.

2

CALIBRATE

Set gain at the near end.
Store the target reference.

3

COMPARE

Check every cable with the
coil arrow towards the far end.

4

VERIFY & MARK

Confirm a unique target.
Resolve ambiguous responses.

Technical Specifications

TRANSMITTER

Application	Live LV cables ≤440 V
Connection	Direct connection
Power source	Connected LV circuit
Pulse current	85 A ±10 A
Pulse rate	30 pulses/min
Pulse width	1.7 ms
Dimensions	280 × 220 × 110 mm
Weight	1.78 kg

RECEIVER

Display	2.19-inch color LCD
Indication	Polarity · amplitude · CAL.
Gain adjustment	10 levels
Rogowski coil	200 mm inner diameter
Coil options	100 mm / 300 mm
Power supply	4 × AAA batteries
Dimensions	175 × 82 × 50 mm
Weight	0.33 kg

Both units: IP54 · Operating: -20 to 40 °C, ≤80% RH (non-condensing).

Safety & Compliance



Designed, manufactured and tested in accordance with IEC 61010.

Identification does not prove absence of voltage. Isolate, prove dead and apply grounding before cutting or maintenance.

What's in the Box

 Transmitter & Receiver	 Rogowski Coil (200 mm)	 Stethoscope Probe	 Output Leads 5 m / 3 m	 Earth Lead (3 m) & Ground Rod	 4 × AAA Batteries	 Carrying Case	 Manual & Documents
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