EAGLOTEST

Down-to-earth instruments you can trust!

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.

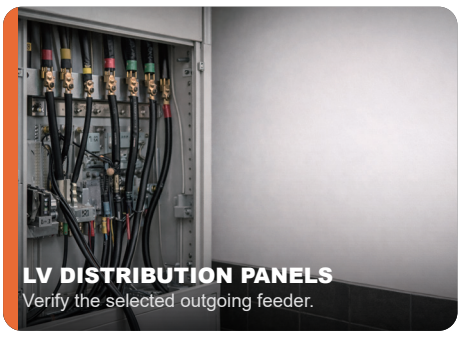
CALIBRATE & LOCK

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

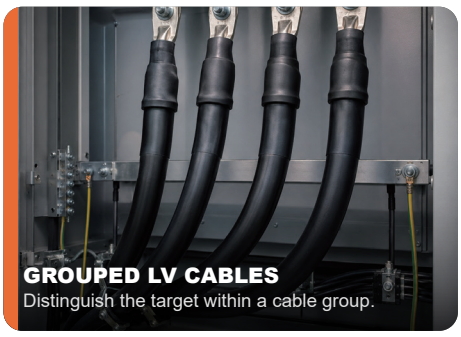
FLEXIBLE ACCESS

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.

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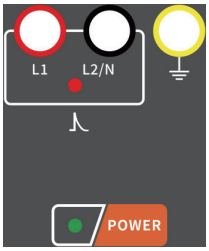
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Live Connection & Signal Verification

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

TRANSMITTER CONNECTION

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



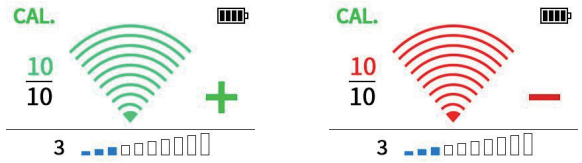
1. Protective earth
Connect the yellow lead first.

2. L2/N
Connect the black lead.

3. L1
Connect the red lead last.

CALIBRATED SIGNAL RESPONSE

CAL. = stored reference · + / − = polarity



Positive response **Reverse response**

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 in accordance with IEC 61010-1
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