

POWER CABLE IDENTIFIER RIC 100

This equipment is used for the open-ditch location of a particular wire within a cable assembly through a simple and accurate procedure.

Highlights

- Easy operation.
- Safe operation.
- Sturdy unit.
- Reduced dimensions.
- Lightweight and compact design.

Description

The **RIC 100 TR** transmitter generates unidirectional high-amplitude pulses with selectable repetition and duration. These pulses are injected into the wire to be tested generating a magnetic field at a certain strength and direction. Adjacent wires absorb part of the energy emitted by inductive and/or capacitive coupling, holding a magnetic field flowing in opposite direction with noticeably lower strength.

The **R-EC** current transformer coil is used to identify the different wires in the ditch. The magnetic field generated by the electric current flowing through the wire induces across the coil a voltage with amplitude and polarity according to the strength and direction of the current tested.

When connected to the current transformer coil, the **RIC 100-TX** receptor amplifies and processes the induced signal, showing the information through a light indicator. When the wire identified is the main wire, the indicator shows a green light flashing indicating that the right wire has been identified; however, if the coil identifies an adjacent wire, the indicator shows a red light flashing indicating that a wrong wire has been identified.

Delivery kit:

- 220VAC power supply cable.
- Output cable to connect to the conductor wire to be identified.
- Current transformer coil.
- Kit transport bag.
- Operation manual.
- Power source for the receptor.



MADE IN ARGENTINA

TECHNICAL SPECIFICATIONS

RIC 100-TR

Idle output pulse amplitude	50 V
Peak power in short circuit	100 A
Pulse sequence	Selectable w/ 3 or 6 s
Pulse length	Selectable 35 or 70 mts
Indicator	Flashing Light
Power supply	2 batteries 6V 4Ah 220VAC \pm 10% -50/60 Hz
Dimensions mm. (height, width, depth)	320 x 155 x 198
Weight (approx.)	2.5 kg.
Operating temperature	-10°C / +50°C

RIC 100-TX

Sensitivity	Continuously adjustable adapted to the current transformer coil R-CE
Indicator	Flashing Light
Power supply	2 9V rechargeable batteries
Dimensions mm. (height, width, depth)	146 x 136 x 87
Weight (approx.)	0.5 kg.
Operating temperature	-10°C / +50°C

R-CE (current transformer coils)

Inner diameter	200 mm
Weight (approx.)	225 gr