

## GROUND FAULT LOCATOR - RMA

This equipment is used to point out faults to ground through the principle of voltage gradient. Mainly used for shield faults and under ground Low Voltage cords.

### Highlights

- ▶ High sensitivity
- ▶ Two sets of test probes
- ▶ Built in Battery
- ▶ Lightweight and compact

### Description

The **REFLEX** model **RMA** ground fault point finder is designed under the voltage gradient principle. Designed to find the precise location of faults with ground leakage in any conductor or shield installed under the surface. With the **RMA** earth fault point finder it is possible to efficiently and accurately locate defects or perforations in the insulation, torn conductors or other point faults in cords buried with leakage.

### Operating principle:

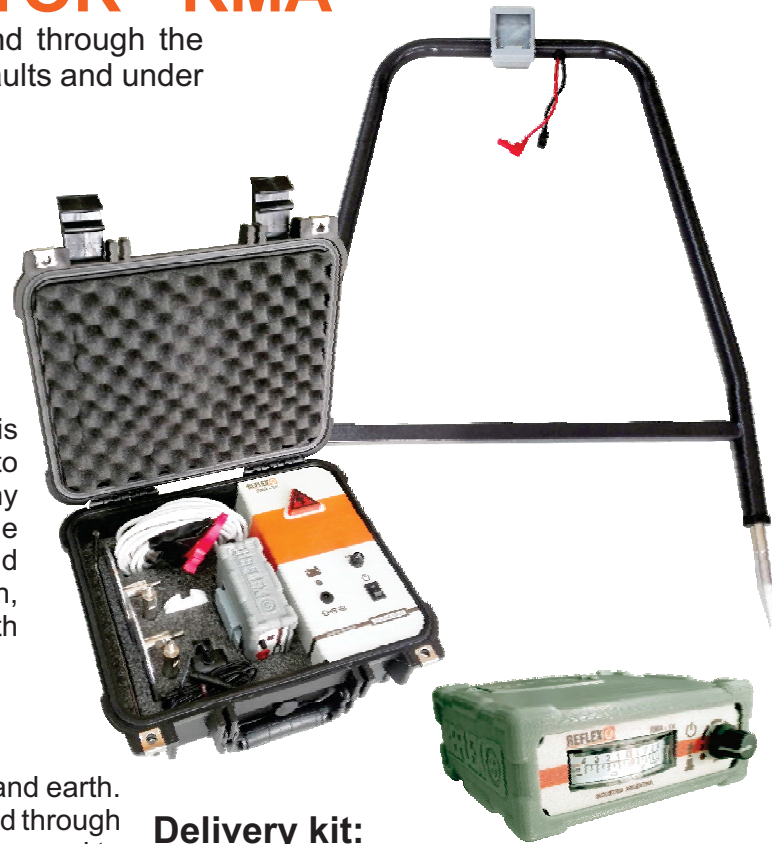
The transmitter emits pulses between the cord under test and earth. This establishes a DC current flow in the cord under test, and through the fault against the ground, the return occurs through the ground to the transmitter ground connection. The flow of current through the earth is measured by using the A frame probing the ground along the trace of the buried conductor under test. Because the current flows in a direction which allows us to know its trajectory between the emitter and the return to it, the receiver's instrument captures the impulses generated by the emitter mentioned, with each impulse we will see how the instrument deflects. As we get closer to the fault the indication of the receiver's instrument will decrease its deflection keeping that deflection in one direction, when we are located with the probes of the "A" frame over the fault the indication of the receiver's instrument will be annulled, while if we pass it, the indication of the receiver's instrument will increase its deflection in the opposite direction as we move away.

### Transmitter:

The emitter is powered by a rechargeable gel battery which frees it from an external power source making it ideal for field work. The voltage is applied by the emitter on the cable under test in impulses every 3.5 seconds, and we can perceive it by means of the luminous and sound indication of the emitter. Another way to inject pulses on the faulty driver is through the use of a **REFLEX** surge wave generator from the **GIC**.

### Receiver - A frame:

The receiver indicates through its instrument from zero to the center the polarity or direction of the circulating current and its intensity. This instrument has backlighting for use in low light environments. Includes sensitivity adjustment for optimal reception. Battery level indication.



### Delivery kit:

- RMA TR transmitter.
- RMA A Receiver.
- Cable for external power / Load
- Probes for soft floors
- Probes for hard floors
- Earth stick
- Water bottle
- User's manual

MADE IN ARGENTINA

### TECHNICAL SPECIFICATIONS

#### RMA TR - Transmitter.

Output power	3400V (optional 5000V)
Discharge frequency	3,5 sec.
Dimensions mm. (height, width, depth)	162 x 365 x 273
Weight	4 kg (w/cords)
Power supply	100 - 240 AC 50/60HZ 12 DC
Internal power supply	12 DC - GEL
Battery performance	20 Hs.
Operating temperature	-10°C / +50°C

#### RMA A Receiver.

Power supply	9DC - Dry
Measurement	Analog instrument, with zero at center
Sensitivity adjustment	Yes
Dimensions mm. (height, width, depth)	851 x 559 x 76 mm
Battery performance	190 Hs.
Operating temperature	-10°C / +50°C

Illustrative photos. Technical data subject to change without notice.