

## REFLECTOMETER R-TDR

Portable cable fault pre-locating equipment.

### Highlights

- ▶ Easy operation.
- ▶ Two measuring inputs for wire comparison.
- ▶ High resolution in both short and long distances.
- ▶ Hermetic and sturdy casing for use in adverse field conditions.

### Descripción

R-TDR is a powerful and compact reflectometer specially designed to locate low-voltage cable faults. Its multiple configurations and functions ensure high-accuracy measurements, even at short distance (< 5 m) and on live low voltage cables (max 400 VAC). A clearly designed LCD display constantly indicates all settings, avoiding confusing information.

The REFLEX R-TDR reflectometer uses the Time Domain Reflection Method, sending low voltage electric pulses along the conductor with pulse width of nano to microseconds. Each change in impedance produces partial reflection of the pulse back to the equipment. The reflectometer calculates the distance using the time between the transmitted pulse and reflection, and the information obtained is later displayed graphically on the screen. In this way, cable ends, short circuits, interrupts, joints and cross-talks can be identified.

### Technical specifications

- Adjustable balance.
- Adjustable attenuation.
- Self-adjusting output pulse depending on range.
- Comparison of reflectograms with simultaneous display on the screen.
- Large illuminated LCD display.
- Two measuring inputs for measurement comparisons.
- Single measurement, constant measurement, estimation of propagation speed.
- Voltage-protected measuring inputs up to 600V for detecting faults on live cables.
- Programmable temporized Auto-power-off.
- Over 10 hours of continuous operation.
- Robust, hermetic housing for use in rough field conditions.



MADE IN ARGENTINA

### TECHNICAL SPECIFICATIONS

#### R-TDR

Max range	20.000mts @ VP/2 80 m/mseg.
outputs	2 (protected until 600 V)
Measurement	Direct on screen, 2 cursors
Pulse widths	75 nseg, 150 nseg, 500 nseg, 2 µseg, 5 µseg y 10 µseg
Resolu on	0,50 mts @ vp/2 - 80m/µseg
Display	LCD 320 x 240, backlight
Pulse amplitude	10 Vp. over 50 ohms.
Power supply	Internal battery 12V/2,3 Ah 110-240Vca ± 10% -50/60 Hz
Opera ng capacity	> 10 horas
Auto-power-off	Programmable:5, 10 or 15 min.
Dimensions mm. (height, width, depth)	130 x 280 x 250
Weight (approx.)	3,8 kg.
Opera ng temperature	-10°C / +50°C

### Delivery kit:

- 100-240 VAC battery charger.
- Set of cables with 2 measuring leads.
- Operation manual.
- Transportation bag