

REFLECTOMETER - TS 80

Portable cable fault pre-locating equipment.

Highlights

- 10.4 inch color LED backlight touch-screen.
- Easy operation through its touch screen.
- Compatible with all existing pre-locating systems and locating systems.

Description

The primary objective of the use of reflectometry is to pre-locate a power cable failure in a fast and accurate way so as to ensure optimum basis for further pinpointing.

Technical specifications

- Simple operation.
- Compact, portable and lightweight equipment.

TECHNOLOGY				
MODEL	DESCRIPTION	BASIC	FULL	PLUS
TDR	Time-domain reflectometry	●	●	●
IF-TDR	Intermittent faults - TDR			●
ICE	Current impulse	●	●	●
DECAY	Voltage decay		●	●
ARM	Reflection during arcing		●	●
M-ARM	Multiple reflections during arcing			●

- Display of up to 4 different measurement curves.
- Internal compensation for a good representation of surrounding areas.
- 1 GB memory for correct measurement storage.
- USB port connection.
- Step selectable digital filtering.
- Automatic cursor auto-positioning.

Supported Filters and Couplers

- ARM filter (Arc Reflection Method).
- DECAY filter (voltage decay reflection).
- Inductive coupling for Impulse Current Method (ICE).

REFLECTOMETER - TS 80R

The TS 80 reflectometer is available in its 19-inch version, and it is suitable for 19-inch rack measurement systems.



Additional equipment



**GIC 2-4-8
GIC 4-8-16
GIC 8-16-32**

Portable high voltage source impulse generator.



RLF P8-16-32

It is a portable system for testing and fault locating on low and medium voltage cables.



RLF C8-16-32

Compact system for testing and fault locating on low and medium voltage cables.



MADE IN ARGENTINA

TECHNICAL SPECIFICATIONS

TS 80

Measuring ranges	128 m to 250 Km @ 80 m/μsec	
Pulse width	100ns at 6μs	
Pulse amplitude	20Vp a 100Vp	
Resolution	ICE	1mts @ VP/2-80mts/μseg
	TDR	0,5mts @ VP/2-80mts/μseg
Sampling frequency	80 MHz	
Methods	TDR, IF-TDR, ICE, ARM, M-ARM and DECAY	
Output impedance	50 ohm	
Measurement	Movable cursors on screen	
	Automatic cursor auto-positioning	
VP/2	Adjustable between 50 m/μsec-150m/μsec	
Zoom	Yes	
Memory	> 1,000 reflectograms	
Connectors	USB 2.0 - BNC	
Display	10.4 inch high-contrast TFT LED backlight color touch-screen, 800 x 600 pixels	
Dimensions mm. (height, width, depth)	165 X 420 X 340	
Weight	5.6 Kg without battery / 6.2 Kg with battery	
Power supply	100 – 240 VAC / 50Hz Internal battery	
Autonomy	Over 5 hours	
Operating temperature	-10 °C ... +50 °C	

Illustrative photos. Technical data subject to change without notice.

