

RLF P8-16-32

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

Highlights

- ▶ Compact, portable and sturdy unit.
- ▶ Safe and rapid location of faults applying the latest technologies in the field of reflectometry.
- ▶ High peak power to ensure accurate and effective pin-pointing.
- ▶ This unit features several fault location methods (*TDR-ICE-ARC*).

Description

The RLF P8-16-32 is a portable system for testing and fault locating on low and medium voltage cables.

The powerful *ARM (Arc Reflection Method)* method featured by the TS80 reflectometer is used for pre-locating high-resistance faults at any of the 3 ranges (8-16-32 kV) of the shock waves impulse generator. Low-resistance faults can be located through the TDR (*Time Domain Reflection*) method, avoiding the use of high-voltage/energy methods.

A peak power of 1024J (*2048J optional*) provides the power required to accurately pin-point cable faults through the acoustic method using the powerful pin-pointer RPF A/I.



This powerful high-voltage source allows testing at any voltage level up to 32kV.

Its sturdy wheels make this unit suitable for field work. Ground, power supply and HV terminals are located in the rear part of the unit and are easily accessible.

Additional equipment

FAULT PIN-POINTER RPF A/I

It is a receiver of acoustic shock waves and audio frequencies.

It is used to pin-point cable faults in power cables and installations and to trace the route of underground cables.



AUDIO FREQUENCY GENERATOR - RGT 100

It is an audio frequency generator to locate and trace the route of underground cables and to pin-point cable faults.



GROUND FAULT LOCATOR RMA

Identifies the exact location of earth leakage by driving a high voltage signal that radiates at the fault location.



MADE IN ARGENTINA

TECHNICAL SPECIFICATIONS

TS 80

Distance range	1000 m to 250 Km @ 80 m/μsec
Pulse width	150ns to 8μs
Pulse amplitude	20Vp to 100Vp
Resolution	1 m @ 80m/ μsec
Operating frequency	80 Mhz
Methods	TDR, ICE, ARC and DECAY
Output impedance	50 ohm
Measurement	Movable cursor display
VP/2	Adjustable between 50 m/μsec-150m/μsec
Zoom	Yes
Memory	> 1000 reflectograms
Connections	USB2.0 - BNC
Display	8.4" TFT high contrast color, 800 x 600 pixels, LED backlight
Dimensions mm. (height, width, depth)	162 x 365 x 273
Weight	5 kg
Power supply	220 Vac / 50Hz
Operating temperature	-10 °C ... +50 °C

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High voltage test	0 – 8kVcc / 0 – 16kVcc / 0 – 32k V DC
Peak power per scope	@ 8kVcc – 1024J (<i>2048J optional</i>) @ 16kVcc – 1024J (<i>2048J optional</i>) @ 32kVcc – 1024J (<i>2048J optional</i>)
Discharge frequency	4 – 6 sec. Manual
Grounding	Automatic
Filter	ARC - ICE
Dimensions mm. (height, width, depth)	1110 x 800 x 820
Weight	150 kg
Power supply	220 VAC/50Hz (<i>110 VAC/60hz optional</i>)
Operating temperature	-10 °C ... +50 °C

Illustrative photos. Technical data subject to change without notice.

