

RLF C8-16-32

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

Highlights

- ▶ Compact and sturdy unit.
- ▶ Modular configurable.
- ▶ High energy peak for accurate and effective pin-pointing.
- ▶ Safe and fast location of faults.
- ▶ It includes several methods of pre-fault location (TDR-ICE-ARC).
- ▶ Suitable for medium-small utility.



MADE IN ARGENTINA

Description

The RLF C8-16-32 is a compact test equipment and cable fault location low and medium voltage.

The TS80R reflectometer has the most modern pre-locating methods TDR (*Time Domain Reflection*) ICE (*Impulse Current*) ARC (*Arc Reflection Method*) and DECAF (*Voltage Decay*) methods which you can use on any of the 3 ranges (8- 16-32 kV) of the impulse generator shockwave.

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.

The powerful high voltage source allows testing at any voltage level between 0 to 32kV.

Typical configuration



- Command Module
- Reflectometer TS 80R
- Audio frequency generator RGT 100R
- Switch Range key (8, 16 or 32 kV)
- Switch functions Key (ARC Filter, Direct and Signal)

You can choose reel containers cables with 50 meters or 20 meters reel container side:



- AT Output cable.
- Safety ground cable.
- Operation ground cable.
- Power cord.

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.



GROUND FAULT LOCATOR - RMA

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

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 DECAF
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
RGT 100	
Selectable frequencies	10 kHz – 1.48 kHz - 480 Hz
Output power	adjustable from 0 to 100 VA
Frequency range	0.48 – 1.48 – 10 kHz
Output impedance Ω	1 – 2 – 5
	10 -30 - 100 300 – 1000
Signal	Pulsed rectangular wave
	Continuous linear
Measurement	LCD graphic display
RLF C8-16-32	
High voltage test	0 – 8kVdc / 0 – 16kVdc / 0 – 32kVdc
Short circuit current	@ 8kVdc – 240 mA
	@ 16kVdc – 120 mA
	@ 32kVdc – 60 mA
Peak power per scope	@ 8kVdc – 1024J (2048J optional)
	@ 16kVdc – 1024J (2048J optional)
	@ 32kVdc – 1024J (2048J optional)
Discharge frequency	4 – 6 sec. Manual
Switch functions Key	Yes
Grounding	Automatic
Filter	ARC – ICE - DECAF
AT Output cable.	50 m, high-voltage shielded cable – 6mm ²
Safety ground cable and Operation ground cable.	50m, 10mm ² / 50m, 10 mm ² - Indented
Power cord.	50m, 3x 4 mm ²
Dimensions mm. (height, width, depth)	Command module: 1130 x 635 x 735
	Reel container: 1900 x 830 x 600
Weight (approximate)	230 kg
Power supply	220 VAC/50Hz (110 VAC/60hz optional)
Operating temperature	-10 °C ... +50 °C

Illustrative photos. Technical data subject to change without notice.

