

RLF C4-8-16-32 Triphasic

Compact system for testing and locating faults in medium and low voltage cables.

Highlights

- ▶ Compact, robust, modular and configurable.
- ▶ Suitable for assembly in small-medium utility vehicles.
- ▶ Single-phase or three-phase HV output.
- ▶ It includes several methods of pre-location of faults (TDR, IF-TDR, ICE, ARC, M-ARC).
- ▶ 4 AT output ranges.
- ▶ Safe and fast location of faults.
- ▶ High peak energy for accurate and effective pin-pointing.



MADE IN ARGENTINA

Description

RLF C4-8-16-32 is a compact equipment for testing and locating faults in low and medium voltage cables.

The **TS80R** reflectometer has the most modern fault prelocation methods TDR and IF-TDR (Time Domain Reflection and intermittent TDR) ICE (Impulse Current) ARC and M-ARC (Arc Reflection Method and multiple ARC) and DECAY (Voltage Decay).

Thanks to its energy peak of 2048J in its four ranges 4, 8, 16 and 32kV (1024J or 3072J optional) it offers the necessary power to accurately pinpoint cable faults by the acoustic method with the **RPF A/I** fault pinpointer.

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

Typical configuration:

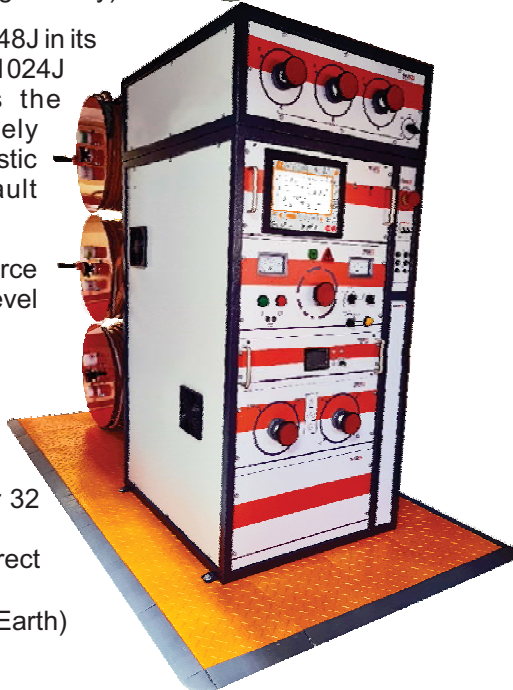
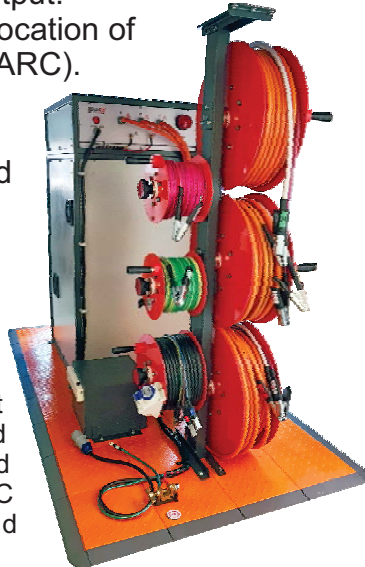
- Command modul
- Reflectometer TS 80R
- RGT 100R tone generator
- Switch range key (4, 8, 16 or 32 kV)
- Switch functions key (Filter, Direct and Signal)
- Switch phase key (R, S, T and Earth)
- HV output cable
- Operation / safety ground
- Wire- Power cord.

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.



TECHNICAL SPECIFICATIONS

TS 80

Distance range	1000 m to 250 Km @ 80 m/μsec
Pulse width	100ns to 6μs
Pulse amplitude	10Vp to 100Vp
Resolution	1 mts@vp2=80mts/ μseg
Operating frequency	80 Mhz
Methods	TDR, IF-TDR, ICE, ARC, M-ARC y 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	10.4" 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
Signal	300 – 1000
	Pulsed
Measurement	Continuous
	LCD graphic display

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High voltage test	0 – 4, / 0 – 8, / 0 – 16k / 0 – 32V DC
Short circuit current	@ 4kVcc – 700 mA
	@ 8kVcc – 330 mA
	@ 16kVcc – 180 mA
Peak power per scope	@ 32kVcc – 90 mA
	@ 4kVcc – 2048 J
	@ 8kVcc – 2048 J
Discharge frequency	@ 16kVcc – 2048 J
	@ 32kVcc – 2048 J
	4 – 6 sec. Manual
Switch functions Key	Yes, Manual (Power, Filter, Signal)
Switch range Key	Yes, Manual (4kV, 8kV, 16kV y 32kV)
Grounding	Automatic
Filter	ARC – ICE
Output	Triphasic
Switch phase key	Yes, Manual (R, S, T AND Earth)
AT Output cable.	3 x 50 m, high-voltage shielded cable – 6mm2
Safety ground cable and Operation ground cable.	50m, 10mm2 / 50m, 10 mm2 - Indented
Power cord.	50m, 3x 6 mm2
Dimensions mm. (height, width, depth)	Command module: 1355 x 635 x 900
	Reel container: 1900 x 830 x 600
Weight (approximate)	290 kg
Power supply	220 VAC/50Hz (110 VAC/60hz optional)
Operating temperature	-10 °C ... +50 °C

