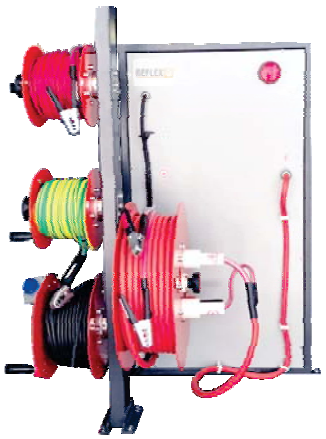
REFLEX

Diagnóstico, Ensayo y Localización de Fallas

SISLOC-AT S.R.L.

RLF C4-8-16-32

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



Highlights

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

MADE IN ARGENTINA

Description

The RLF C4-8-16-32 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 DECAY (*Voltage Decay*) methods which you can use on any of the 4 ranges (*4-8-16-32 kV*) of the impulse generator shockwave.

A peak power of 2048J (*3096 J 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 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" 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 – 4, / 0 – 8, / 0 – 16k / 0 - 32V DC
Short circuit current	@ 4kVcc – 700 mA @ 8kVcc – 330 mA @ 16kVcc – 180 mA @ 32kVcc – 90 mA
Peak power per scope	@ 4kVcc – 2048 J @ 8kVcc – 2048 J @ 16kVcc – 2048 J @ 32kVcc – 2048 J
Discharge frequency	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
AT Output cable.	50 m, high-voltage shielded cable – 6mm2
Safety ground cable and Operation ground cable.	50m, 10mm2 / 50m, 10 mm2 - Indented
Power cord.	50m, 3x 4 mm2
Dimensions mm. (height, width, depth)	Command module: 1130 x 635 x 735 Reel container: 1900 x 830 x 600
Weight *(approximate)*	235 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.

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