

RLF P8-16-32

Portable system for testing and fault location in medium and low voltage cables.

Highlights

- Compact, portable, and robust.
- Safe and quick fault location with the latest reflectometry technology.
- High energy peak for precise and effective fault location.
- Includes various fault location methods (TDR-ICE-ARM).

Description

The **RLF P8-16-32** is a portable testing and fault location system for low and medium voltage cables. The powerful **ARM** (Arc Reflection Method) included in the **TS80** reflectometer is used for the pre-location of high resistance faults in any of the three ranges (8-16-32 kV) of the shockwave impulse generator.

An energy peak of 1100J (2100J optional) provides the necessary power to precisely pinpoint cable faults using the acoustic method in conjunction with the **RPF A/I** fault pinpointing device.

The powerful high-voltage source allows testing at any voltage level up to 32kV. Its large wheels make the unit suitable for fieldwork with ease. The grounding, power, and high voltage terminals are located at the back of the unit for easy operator access.



MADE IN ARGENTINA

TECHNICAL SPECIFICATION

RLF P8-16-32

High Voltage Testing	0 – 8kVcc, 0 – 16kVcc y 0 – 32kVcc
Short-Circuit Current for Each Range	@ 8kVcc – 300 mA @ 16kVcc – 150 mA @ 32kVcc – 75 mA
Maximum Energy for Each Range	@ 8kVcc – 1100 J @ 16kVcc – 1100 J @ 32kVcc – 1100 J
Discharge Frequency	4 – 8 sec. Manual
Grounding	Automatic
Filters	ARM- ICE
Single-Phase High Voltage Cable	10 mts. Shielded , 6 mm2
Power cable	15 mts. 3 x 1,5 mm2
Safety Ground	15 mts 10 mm2
Dimensions (mm) (Height, Width, Depth)	Equipment: 950 x 530 x 580 Equipment + cart: 1170 x 850 x 855
Total Weight (kg) (Approximate)	Equipment: 131 Equipment + carro: 147
Power Supply	220 Vca/50Hz (110 Vca/60hz opcional)
Operating Temperature	-10 °C ... +50 °C

Complementary Equipment

TONE GENERATOR RGT 100

Audio frequency generator for tracking and detecting underground cables and pinpointing faults.

FAULT PINPOINTING DEVICE RPF A/I

Acoustic shockwave and audio frequency receiver. It is used for precise fault pinpointing in cables and installations, as well as for tracking the path of underground cable runs.

GROUND FAULT PINPOINTING DEVICE - RMA

Identifies the exact location of screen-to-ground leaks by sending a high-voltage signal that radiates at the fault site.



REFLECTOMETER - TS80

TDR: Time Domain Reflection method.

IF-TDR: Time Domain Reflection method for intermittent faults.

ICE: Impulse Current method.

ARM: Arc Reflection method.

M-ARM: Multiple Arc Reflection method.

DECAY: Voltage Decay method (>32kV).

