

GIC 4-8-16/550J

Portable Shock Wave Pulse Generator.

Highlights

- Compact, portable, and robust.
- Continuously adjustable voltage.
- Automatic grounding.
- Discharge energy optimized by capacitor switch.
- High energy peak for precise and effective localization.

Description

The shock wave pulse generator model **GIC 4-8-16/5** is specially designed for locating faults in power cables.

The output voltage can be continuously adjusted within the ranges of 0-4 kV, 0-8 kV, and 0-16 kV.

A peak energy of 550 J at each range provides an excellent balance of power, weight, and size necessary for precisely pinpointing cable faults using the acoustic method in conjunction with the **RPF A/I** fault pinpointing device.

The powerful high-voltage source allows for dielectric testing at any of its ranges, up to 16 kV. It features a damped grounding system that automatically discharges the internal capacitors and the tested installation after the test is completed.

The grounding, power supply, and high-voltage terminals are located on the rear of the unit and are easily accessible for the operator.

Scope of supply:

- 220V AC power cable - 5 mts.
- Shielded high-voltage output cable - 10 mts.
- Safety grounding connection cable - 5 meters.
- Direct discharge rod.
- Operation manual.



Complementary equipment

FAULT PINPOINTING DEVICE RPF A/I

Acoustic receiver for shock waves and audio frequencies.

It is used for the precise pinpointing of faults in cables and installations, as well as for tracing the path of underground cable routes.

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.



MADE IN ARGENTINA

TECHNICAL CHARACTERISTICS

GIC 4-8-16/500 J

Output voltages/dielectric testing voltages for each range	kVcc		
	0 - 4	0 - 8	0 - 16
Short-circuit current for each range	@ 4kVcc - 400mA @ 8kVcc - 200mA @ 16kVcc - 100mA		
Maximum energy for each range	@ 4kVcc - 500J @ 8kVcc - 500J @ 16kVcc - 500J		
Discharge frequency	4 - 8 seg. Manual		
Grounding	Automatic		
Coupler	ICE (Impulse Current Method)		
Dimensions (height, width, depth)	Equipment: 310, 483, 520 mm Rack (19"): 360 x 540 x 540 mm		
Weight	Equipment: 55 kg Rack (19"): 15 kg		
Power supply	220 Vca/50Hz)		
Operating temperature	-10 °C ... +50 °C		

REFLECTOMETER- TS80

TDR: Time-Domain Reflectometry Method

IF-TDR: Time-Domain Reflectometry Method for Intermittent Faults

ICE: Current Impulse Method

ARM: Reflection During Arcing Method

M-ARM: Multiple Reflection During Arcing Method

DECAY: Voltage Decay Method (>32kV)

