

GIC 2-4-8

Portable surge wave impulse generator.

Highlights

- Compact, portable, and robust.
- Continuously adjustable voltage.
- Automatic grounding.
- Optimized discharge energy through capacitor selector switch.
- High energy peak for precise and effective fault location.

Description

The **GIC 2-4-8** model is a portable surge wave impulse generator specifically designed for locating faults in power cables. The output voltage is continuously adjustable within the ranges of 0–2 kV, 0–4 kV, and 0–8 kV.

An energy peak of 1100 J (modifiable upon request) in each range provides the necessary power to accurately pinpoint cable faults using the acoustic method in combination with the **RPF A/I** fault pinpointer. Its powerful high-voltage source allows testing at any voltage level up to 8 kV. The unit includes an automatic grounding system that discharges the internal capacitors and the tested installation in case of disconnection. The grounding, power supply, and high-voltage terminals are located on the rear panel for easy operator access. Optionally, a filter for the ARM method (Arc Reflection Method) can be integrated.

Scope of supply:

- 220V AC power cable – 5 m
- Shielded high-voltage output cable – 5 m
- Safety grounding cable – 10 m
- Direct discharge rod
- Operation manual

Optionals:

ARM filter (Arc Reflection Method)

Complementary Equipment

RPF A/I FAULT PINPOINTER

Acoustic receiver for shock waves and audio frequencies. Used for the precise pinpointing of faults in cables and installations, as well as for tracing underground cable routes.

RMA GROUND FAULT PINPOINTER

This device is used to pinpoint ground faults based on the voltage gradient principle. It is primarily used for faults in cable sheaths and buried low-voltage cables.



MADE IN ARGENTINA

TECHNICAL SPECIFICATION

GIC 2-4-8

Output/test voltages for each range	kVcc		
	0–2	0–4	0–8
Short-circuit current for each range	@ 2kVcc – 1000mA @ 4kVcc – 500mA @ 8kVcc – 250mA		
Maximum energy for each range	@ 2kVcc – 1100J @ 4kVcc – 1100J @ 8kVcc – 1100J		
Discharge frequency	4 – 8 seg. Manual		
Grounding	Automatic		
Coupler	ICE (<i>Impulse Current Method</i>)		
Dimensions (height, width, depth)	690 x 530 x 500 mm		
Weight	82 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: Impulse Current Method

ARM: Arc Reflection Method

M-ARM: Multiple Arc Reflection Method

