

LOW FREQUENCY GENERATORS

LFG-2500



MAIN FEATURES:

- Portable;
- Moistureproof and dustproof casing;
- High-contrast OLED display;
- Automatic load impedance matching;
- Overload protection.

Purpose ◀

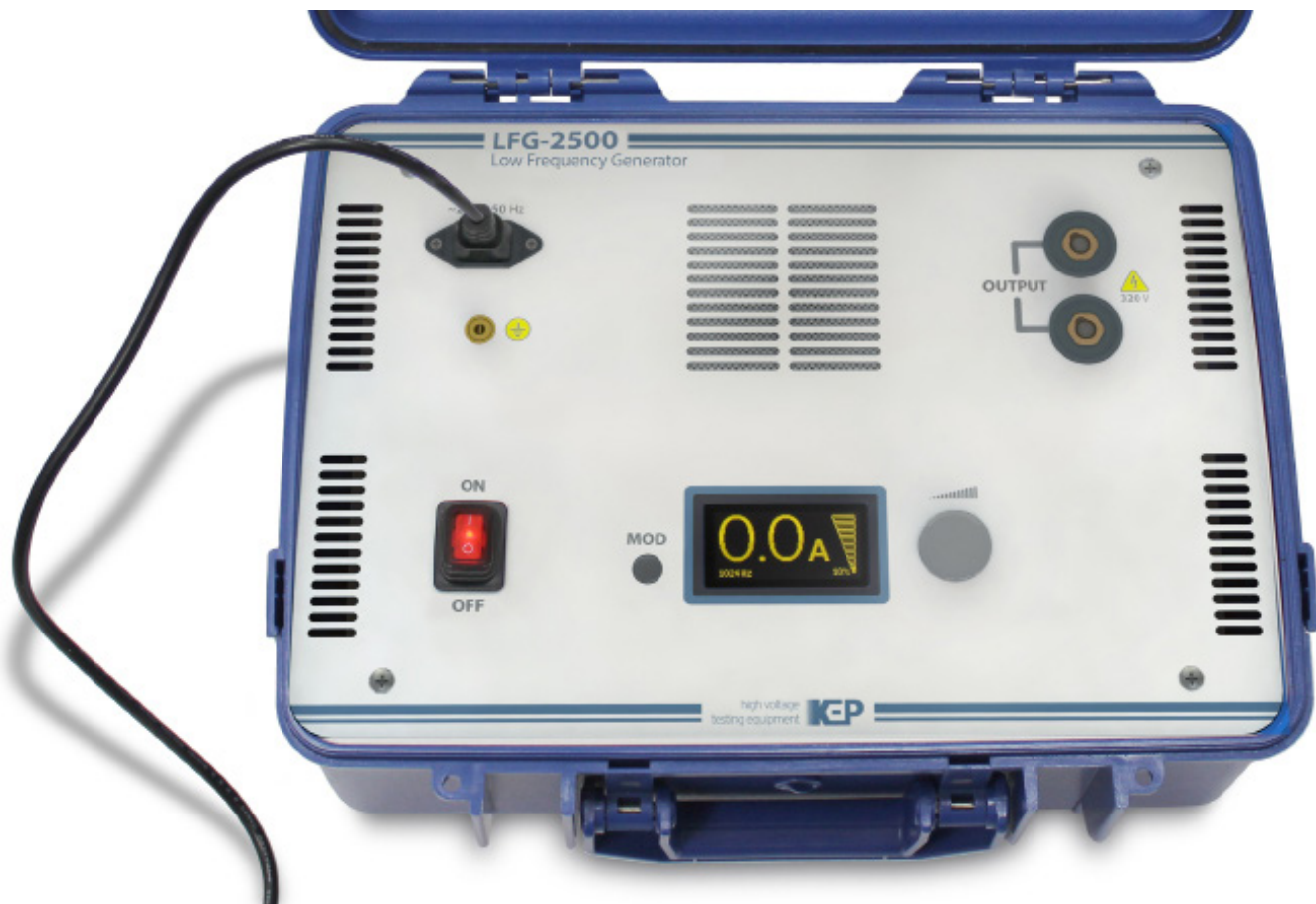
The generator LFG-2500 in conjunction with the receiver PT-14 is designed for tracing underground metal distribution lines and fault location across all power cable types. In addition, the tracing set LFG-2500 & PT-14 makes it possible to efficiently pinpoint shorts on power cables.

> CABLE FAULT LOCATION > Low Frequency Generator



high voltage
testing equipment





► Description

The LFG-2500 is a low frequency generator featuring automatic load impedance matching and smooth adjustment of output current.

The generator operating principle is based on a special method of low frequency modulation of the output signal. Modulation is performed by rectangular pulses with the frequency of 1 Hz in such a way that during the first half-period of the modulating voltage a signal with the frequency of 1024 Hz is

generated, and a signal with the frequency of 2048 Hz – during the second half-period. The advantage of this modulation method is that, provided there is a receiver with receiving frequencies of 1024 Hz and 2048 Hz (such as PT-14), the signal of both frequencies can be received while the switch between the two is done on the receiver itself. In the continuous generation mode, the signal with the frequency of 1024 Hz is generated.

Technical specifications ◀

Parameter	Value
Generation frequency, Hz	1024 / 2048
Modulation frequency, Hz	1
Maximum output power in the matching mode, W	2500
Maximum output idling voltage, V	320
Maximum output current, A	50
Load resistance range, Ω	0.5 – 150
Number of load matching steps	8
Automatic load matching	✓
Display parameters	OLED display, 128x64
Power supply voltage, V	230 ± 10 %
Power supply frequency, Hz	50 ± 1
Power consumption, kV·A, max	3
Net weight, kg, max	13
Dimensions (W×H×D), mm, max	415×178×322

Operating and storage conditions ◀

Parameter	Value
Ambient temperature, °C	-10 ... +40
Relative air humidity, %, max	80 at 25 °C
Atmospheric pressure, mm Hg	630 to 800

Scope of delivery ◀

Item	Designation	Quantity	Notes
Generator		1	
Wire for connecting cable under test		1	3 m long
Power cable		1	1.8 m long

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UPA-20



RIF-9



OLT-80A



UPA-1



HVTS-HP
(HVU)