



FERROLUX® FLG 50-P / FLG 200-P

Audio frequency generator for cable and pipeline detection, sheath and cable fault location

Benefits:

- ▶ **Powerful, yet compact generator**
- ▶ **Signal Select – dependable pipe location even with other cables in close proximity**
- ▶ **Multi-frequency operation – 3 frequencies transmitted simultaneously**

Description

The FERROLUX® Measuring System allows operators of power and telecommunication cables as well as public utility companies for gas and water supply, to solve a wide variety of problems. This Audio Frequency Generator can be used for cable and pipe location, cable fault location and cable identification.

A new feature in the FERROLUX® range is the ability to transmit three frequencies simultaneously, allowing to select the best receiver frequencies during locating without the need to return to the FLG generator to change frequencies here, too.

In conjunction with the Audio Frequency Receiver FLE 10, the system can be used for implementing the new position locating mode **SuperMax** and the **SignalSelect** method of identifying the direction of signal flow. The instrument measures and displays the loop impedance of the object under test, output voltage and current and phase angle.

There is no overheating of the generator in continuous operation when feeding capacitive loads (insulated gas pipes) or inductive loads (shorted cables).

The output power can be adjusted to two levels: low (up to 10 W) and high (up to 50 / 200 W)

All benefits at a glance

- ▶ Backlit LCD for all important parameters
- ▶ Automatic impedance matching
- ▶ Manual and automatic frequency selection
- ▶ Multi-frequency operation - three frequencies transmitted simultaneously
- ▶ Power levels 10 W / 200 W (FLG 200), 10 / 50 W (FLG 50) for fine adjustment at low power
- ▶ Overload protection in all impedance ranges
- ▶ Indication of hazardous output voltage on contact
- ▶ Protection against ext. voltage with indication
- ▶ Wide range power supply with power factor correction (PFC)
- ▶ RS-232 PC interface for easy and straight forward service
- ▶ 19" housing available in two versions – portable or for cable van installation



Technical Data

Frequencies	491 Hz / 982 Hz / 8440 Hz (user-specific frequencies on request) Multi-frequency operation	
Output power	power	increment
FLG 200	0 ... 10 W	0.5 W
	0 ... 200 W	10 W
FLG 50	0 ... 10 W	0.5 W
	0 ... 50 W	2.5 W
Impedance matching	0.5 ... 1000 Ω, automatically	
Measured parameters	loop impedance, current, voltage	
Power supply	mains operated 100 ... 240 V AC	
Interfaces	RS-232	
Anti-deep discharge protector	for internal battery	
Dimensions (W x L x H)	450 x 320 x 133 mm	
Weight	approx. 12 kg	
Operating temperature	- 20 °C ... + 50 °C	
Enclosure protection	IP 20	

Versions

- ▶ FLG 200-P portable
- ▶ FLG 200-M 19" M for installation in cable test vans
- ▶ FLG 50-P portable
- ▶ FLG 50-M 19" for installation in cable test vans

Accessories

- ▶ Mains cable NKG 1
- ▶ Cable kit VL FLG 200