



FERROLUX® FLG 50

**Audio frequency generator
for locating cables, pipes and
cable faults**

Benefits:

- ▶ **Independent operation with rechargeable battery**
- ▶ **Permanent operation even with capacitive and inductive loads**
- ▶ **Multi-frequency-operation, always best frequency selected**



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 location, cable selection, cable identification or pipeline location.

A new development in the FERROLUX® range is the capability of transmitting three frequencies simultaneously. This eliminates the necessity of changing the transmitter frequency during operation.

In conjunction with the Audio Frequency Receiver FLE 10, the system can be used for implementing the new position locating technique **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 FLG 10 can serve as a charging station for the audio frequency receiver.

All benefits at a glance

- ▶ Automatic impedance matching
- ▶ Built in transmission loop
- ▶ Automatic or manual frequency selection; simultaneous transmission of three frequencies
- ▶ Overload protection in all impedance ranges
- ▶ Battery capacity is monitored and displayed
- ▶ Batteries can be recharged from a motor vehicle supply system
- ▶ RS-232 PC interface for easy and straightforward service
- ▶ Remote control of the FLG 50 via PC

Technical Specification

Frequencies	491 Hz / 982 Hz / 8440 Hz (user-specific frequencies on request)
Output power	0 ... 50 W, manually switchable in 2.5 W increments
Impedance matching	0.5 ... 1024 Ω, automatically
Measured parameters	loop impedance, current, voltage
Power supply	NiMH 12 V / 12Ah external: 12 V DC (Kfz) mains operated
Operating time	>1 h at P _A =50 W >5 h at P _A =10 W
Charging time	approx. 6 h
Anti-deep discharge protector	for internal battery
Dimensions	410 x 335 x 175 mm (W x L x H)
Weight	approx. 14 kg
Operating temperature	- 20 °C ... + 50 °C
Enclosure protection	IP 54

Accessories

- ▶ Mains cable NKG 1
- ▶ Cable kit VL 11
- ▶ Cable bag KST 7

Special Accessories

- ▶ Transmitter clamp UZ 50, UZ 100
- ▶ 12 V connecting kit LK 13 (motor vehicle)
- ▶ Connecting cable VK 62