

Ferrolux® FLG50

Audio frequency generator for locating cables, pipes and cable faults

Megger



- Precise location, even above a bunch of cables, with SignalSelect
- Multi-frequency operation prevents manual switching
- Optimal results thanks to automatic impedance matching
- Integrated antenna for inductive coupling on cable
- Durable operation

DESCRIPTION

The Ferrolux® FLG audio frequency generators provide solutions to a wide variety of problems for gas and water supply. The Ferrolux® FLG audio frequency generator can be used for cable tracing, location of cable faults or the location of metallic pipelines.

The Ferrolux® FLG 50 can transmit all available frequencies simultaneously. It eliminates the need to switch frequencies manually on the transmitter while tracing the line. Together with the Audio Frequency Receiver Ferrolux® Rx, proven location methods like SuperMax and SignalSelect for identification of the direction of signal current are available. It guarantees precise tracing, even above a bunch of cables. Furthermore, a pulsed signal allows for clear identification of the transmitter signal in a noisy environment.

The Ferrolux® FLG 50 transmitter has an integrated antenna for inductive coupling of the signal, no need to connect to the cable in this mode. The instrument measures and displays the loop impedance of the test object, output voltage and current, and phase angle. Continuous operation when feeding capacitive loads (insulated gas pipes) or inductive loads (shorted cables) does not cause any overheating problems.

FEATURES

- Automatic impedance matching
- Automatic or manual frequency selection
- Multi-frequency operation
- Pulsed signal operation
- Integrated transmitter antenna
- Charging and operation of the batteries via 12 V vehicle supply system

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TECHNICAL DATA

Output frequencies	491 Hz / 982 Hz / 8440 Hz (user-specific frequencies on request)
Output power	0 ... 50 W, manually switchable in 2.5 W increments
Output current	10A max
Impedance matching	0.5 ... 1024 Ω, automatically
Measured parameters	loop impedance, current, voltage
Power supply	NiMH 12 V / 12 Ah external: 12 V DC (motor vehicle) 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 (W x L x H)	410 x 335 x 175 mm
Weight	approx. 14 kg
Operating temperature	-20 °C ... +55 °C
IP Protection class	IP 54



Reel with earthing load



Induction clamp 50 mm



Induction clamp 100 mm and
connection cable



Separation filter

ORDER INFORMATION

Product	Oder Nr.
FLG50 Audio frequency generator 50 W Scope of supply: Generator, set of cables, main cables, accessory bag	1012965
Options:	
Reel with earthing 25 m lead (contact proof) for loop testing	810002785
Reel with earthing 100 m lead (contact proof) for loop testing	810002784
Live cable connection (max. 420 V, 480 Hz...10 kHz/max. 10 W)	1014888
Induction clamp 50 mm	810000093
Induction clamp 100 mm	810003540
Connection cable for induction clamp 100 mm	810002164
Vehicle charging lead	810000006
Soil auger 35 cm for better grounding in dry environments	810002510

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