Ferrolux® FLG12
Audio Frequency Generator

Megger

- **Precise location, even above a bunch of cables, with SignalSelect**
- **Multi-frequency operation prevents manual switching**
- **Durable operation**
- **Automatic impedance matching**
- **Intuitive EasyGO operation system**

easy**GO**

DESCRIPTION

The Ferrolux® measuring system provides solutions to a wide variety of problems for operators of power and telecommunication cable systems as well as public utility companies for gas and water supply. The Ferrolux® FLG12 audio frequency generator can be used for cable tracing, cable selection, location of cable faults or the location of metallic pipelines.

The Ferrolux® FLG12 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 new Ferrolux® FLG12 transmitter has an integrated antenna for inductive coupling of the signal. A large colour display and the proven EasyGo menu allows and easy intuitive operation.

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

- Automatically matching the impedance
- Automatic or manual selection of frequencies
- Multi-frequency operation
- Pulsed signal operation
- Indication of output voltage which is dangerous to touch
- Protected against external voltage
- In-built antenna for inductive coupling
- Quick and easy operation via EasyGo
- Vehicle charging

TECHNICAL DATA*

Output power	0 … 12 W
Output current	0 … 5 A
Output voltage	0 … 160 V
Output frequencies	491 Hz, 512 Hz, 640 Hz, 982 Hz, 1090 Hz, 8440 Hz, 9820 Hz, 32768 Hz
Impedance matching	Automatic from 0.5 ... 1024 Ω
Distortion	<3% for all frequencies in relation to the output voltage
Signal pulse	Continual signal or pulsed signal (4:3, 4:1, 6:1)
Output sockets	4 mm safety sockets protected against contact
Display	TFT colour display with 320 x 240 pixels
Internal rechargeable battery	Li-ion rechargeable battery 7,2 V
operating time	>2,5 hours at 12 W
Input voltage range of generator	12 V DC
Input voltage range for mains power supply unit	100 V ... 240 V, 50 / 60 Hz
Storage temperature	-40°C ... 70°C
Operating temperature	-20°C ... 55°C
Operating humidity	max. relative humidity 93% at 30°C
Weight	2.4 kg
Dimensions (W x H x D)	250 mm x 170 mm x 120 mm
IP protection class (in accordance with IEC 60529 (DIN VDE 0470-1))	IP 54

Reel with earthing load

Flexible induction clamp 150 mm

Induction clamp 100 mm and connection cable

Induction clamp 50 mm

Separation filter

ORDER INFORMATION

Product	Oder Nr.
FLG12 Audio frequency generator 12 W Scope of supply: Generator, carrying strap, mains charging adapter, test leads, earth spike	1012522
Options:	
Reel with earthing 20 m lead (contact proof) for loop testing	90041679
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 TC 100, incl. 3.5 m connection cable	1014758
Induction clamp flexible 150 mm	810003542
Installation support for flexible induction clamp	810668
Vehicle charging lead	810000019
Soil auger 35 cm for better grounding in dry environments	810002510

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