METRAVI | DIGITAL CABLE & FAULT LOCATOR | CFL-01

INTRODUCTION

METRAVI Brand Digital Cable Locator consists of aTtransmitter and a Receiver, which is a portable measurement instrument and can be used to detect or trace conductors and find Short faults in them.

The signal generated by the transmitter is made of a modulated current, generating an electromagnetic field around a conductor. This electro-magnetic field induces a voltage within the receiving coil. The induced voltage is amplified, decoded, and converted to the original signal by the receiver and finally displayed on the screen. The connecting parameter for the transmitter during an application must be a closed current circuit.

FEATURES

- Finding conductors in walls, conductor interruptions, short circuit in conductors
- Conductor tracing in soil
- Detecting fuses assigning current circuits
- Tracing sockets and distribution sockets having accidently been covered by plastering
- Detecting interruptions and short circuits in floor heating
- Tracing metallic water and heating piping
- All application areas (both, voltage free and live) are performed without using any additional instrument
- Transmitter display indicates the transmission level, the transmission code, as well as the foreign voltage
- Receiver display indicates the reception level, the transmission code, as well as the mains voltage detection
- Automatic and manually adjustable sensitivity adjustment
- Acoustic reception signal may be switched off
- Auto Power Off
- Backlit display
- Additional lighting functions when working under bad lighting conditions
- Additional transmitters are available, as options, to extend or distinguish signals
- The built in fuses protect the instrument against overload or faulty manipulation

TECHNICAL SPECIFICATIONS

TRANSMITTER:

Output signal	:	125kHz
External voltage detection range	:	12 to 400V
Frequency range	:	0 to 60Hz
Display	:	LCD
External Voltage Detection	:	max 400V DC/AC
Over Voltage Category	:	CAT III 300V **Pollution degree 2**
Auto Power Off	:	Approx 1 Hour (No Operation Condition)
Power Supply	:	9V battery, NEDA 1604, IE6F22
Power Consumption	:	Max. 18mA
Fust	:	F0.5A 500V, 6.3 x 32mm
Temperature Range (Work)	:	0 to 40 Degree C Max 80%RH (Non Condensing)
Temperature Range (Storage)	:	-20 to 60 Degree C Max 80%RH (Non Condensing)
Height above MSL	:	up to 2000m
Dimensions	:	130 x 69 x 32 mm
Weight	:	approx 130g.

RECEIVER:

Tracing Depth	:	The tracing depth depends on medium and application
Cable Locator Mode	:	approx. 0 … 2m. (single pole application) approx. 0 … 0.5m (double pole application)
Voltage detection	:	approx. 0 … 0.4m
Display	:	LCD with functions and bargraph
Power Supply	:	One 9V battery, NEDA 1604, IE6F22
Power Consumption	:	… approx. 23mA (without backlit or lamp) … approx. 35mA (with backlit) … max. 40mA (Backlit and Lamp)
Auto Power Off	:	approx. 5 minutes (No operation condition)
Temperature Range (Work)	:	0 to 40 Degree C Max 80%RH (Non Condensing)
Temperature Range (Storage)	:	-20 to 60 Degree C Max 80%RH (Non Condensing)
Height above MSL	:	up to 2000m
Dimensions	:	192 x 61 x 37 mm
Weight	:	approx 180g.

*Technical Specifications & Appearance are subject to change without prior notice