

## INTRODUCTION

Metravi CFL-01 Digital Cable and Cable Fault Locator features a Transmitter and Receiver, which are portable measuring instruments, and can be used to detect or trace conductors and find short faults in them. It serves as a Cable and Pipe Tracer too.

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

## FEATURES

- Consists of a transmitter and a receiver
- Used to detect or trace conductors and to find short faults in them.
- It is used for finding conductors in walls, conductor interruptions, short-circuits in conductors
- Conductor tracing in the soil
- Detecting fuses and assigning current circuits
- Tracing sockets and distribution sockets having accidentally 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 instruments
- 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 manual sensitivity adjustment
- Acoustic reception signal may be switched off
- Auto-Power-Off function
- Backlit LCDs
- Additional lighting function when working under bad or low lighting conditions
- Additional transmitters are available to extend or distinguish several signals
- The built-in fuses protect the instrument against overload or faults



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

**TECHNICAL SPECIFICATIONS**

**TRANSMITTER:**

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

**RECEIVER:**

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



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