



PRO CFL-01A CABLE FAULT LOCATOR

INTRODUCTION

The Metravi CFL-01A Cable Locator effortlessly tracks cables and wires, saving you time and preventing accidental damage during installations or repairs. It is a powerful device consisting of a transmitter and a receiver with state-of-the-art sensors.

The transmitter displays corresponding voltages (voltage of live cable: $\geq 8V$), and the receiver simultaneously displays the signal strength, transmitter code, transmitter power level, low battery, etc., and supports up to 8 transmitters.

The CFL-01A has multiple advantages including accurate measurements, easy operation, visualised display and more, making it an ideal tool for low-voltage cabling engineering, engineering and maintenance of metal conductors, etc.

It is used:

- To detect the path of low-voltage cables buried in the ground (such as cabling inside walls)
- Test and diagnose opens, shorts and other problems occurring at cabling
- Detect if the tested cable is live
- Detects conductors
- Identify interruptions or short circuits
- Traces underground cables
- Locate fuses and associated devices
- Detect short circuits and open circuits in underfloor heating
- Trace metal water pipes and heating pipelines

It is perfect for residential or commercial projects.



FEATURES

- Sensitivity of the receiver is adjustable automatically or manually (3 levels)
- Built-in Flashlight
- Backlit Display
- Automatic shutdown function
- One receiver can support up to 8 transmitters
- Energised/Live wire detection: up to 480V(AC/DC)
- LED and buzzer indications
- CE, RoHS certified





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TECHNICAL SPECIFICATIONS

TRANSMITTER	
Working Frequency	33kHz
Identification Range (External Voltage)	8~480V
Identification Frequency (External Voltage)	DC/AC: 50-60Hz
Accuracy (External Voltage)	±2.5%±3deg
Strength of external overvoltage	480V DC/AC
Display	Segmented LCD (TN translucent)
Backlight	Supported (white)
Button Life	10000 times
CODE (Code value)	0, 1, 2, 3, 4, 5, 6 and 7. Default code: 5
Level of Signal Strength	1, 2 and 3. Default level: 3
Single Pole Testing	Supported (Support testing in energised condition; Maximum 480V)
Dual Pole Testing	Supported (Support testing in energised condition; Maximum 480V)
ELV Indicator Light	1) Without batteries: If external voltage applied is >25V, the ELV LED emits weak light and its brightness increases as voltage rises (light up constantly), otherwise, the ELV LED emits weak light "or lights off. 2) Transmitter is in power-on state with batteries installed: the ELV LED lights off 3. Transmitter is in power-off state with batteries installed: If external voltage applied is >25V, the ELV LED emits weak light and its brightness increases as voltage rises (light up constantly), otherwise, the ELV LED emits weak light or lights off."
Overvoltage Rating	CAT III 480V
Pollution Degree	2
Drop Proof Protection	1 m
Certifications	CE Certified EMC: EN IEC 61326-1 LVD: EN 61010-1 EN IEC 61010-2-033 RoHS
Battery	6 × 1.5V AA (LR06)
Power Consumption	165mA (including backlight, output short circuit, III, CODE5)
Fuse	F0.6A 600V
Operating Environment	0 ~ 40°C; Max. 80%RH (Non-condensing)
Storage Environment	-20 ~ 60°C; Max. 80%RH (Non-condensing)
Operating Altitude	≤2000m
Dimensions	189*96*48mm
Weight (excluding batteries)	About 389g
Weight (including batteries)	About 528g

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



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TECHNICAL SPECIFICATIONS

RECEIVER	
Working Frequency	33 kHz
Locating Depth	Related to the medium and the method used
Tracking Mode for Single Pole	About 0~2.5 m (Use separate loop wire for 2.5 m)
Tracking Mode for Dual Poles	About 0~0.5 m
Grid Voltage Identification	About 0~0.4 m
NCV	Voltage identification range: 80~1000V, 50Hz/60Hz (Approach the measured cable)
Display	Segmented LCD (TN translucent)
Backlight	Supported
Battery	6 × 1.5V AAA (LR03)
Power Consumption	About 30mA (Excluding backlight and flashlight)
	About 65mA (Excluding backlight)
	Maximum 95mA (including backlight)
Low Battery Indicator (For transmitter)	Supported
Flashlight	Supported
CODE (code value)	0, 1, 2, 3, 4, 5, 6 and 7
Levels of Signal Strength of Transmitter	Level 1, Level 2, and Level 3
Reception Sensitivity (Manual adjustment)	Including 9 levels
Index Range of Signal Strength	0~999
Analogue Bar Range of Signal Strength	0~43
Receive Multiple Transmission Signals	Supported (A receiver can receive signals generated by maximum 8 transmitters at the same time)
Certifications	CE Certified EMC: EN IEC 61326-1 LVD: EN 61010-1 EN IEC 61010-2-033 RoHS
Operating Temperature	0~40°C ; Max. 80%RH (Non-condensing)
Storage Temperature	-20~60°C ; Max. 80%RH (Non-condensing)
Operating Altitude	≤2000m
Dimensions	226*68*38mm
Button Life	10000 times
Weight (excluding batteries)	About 287g
Weight (including batteries)	About 354g

ACCESSORIES

1 pair dual in-line Test Leads (Red + Black), 1 set Alligator Clips (Red + Black), 1 pair Lantern-tip Test Probes (Red + Black), AC Polarised Plug Wire, User Manual, 6 x 1.5V AA Alkaline Batteries, 6 x 1.5V AAA Alkaline Batteries.

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