

GY-628 LCD Cable Tester with Multimeter PoE VFL



INTRODUCTION

The TOOLTOP GY-628 is a versatile 3-in-1 device designed for comprehensive network and electrical testing. It integrates the functionalities of a network scanner, a visual fault locator (VFL), and a digital multimeter. This manual provides detailed instructions for the setup, operation, and maintenance of your GY-628 device, ensuring optimal performance and longevity. Key capabilities include cable length measurement up to 600m, cable mapping for various network and telephone lines, precise cable tracing, visual fault location for fiber optics, and a full range of multimeter functions including DC/AC current and voltage, resistance, continuity, diode, temperature, and NVC testing. It also features a dedicated PoE test function.

DEVICE OVERVIEW

Upon opening the package, please verify that all the following items are present and in good condition:

- 1 x Transmitter (Main Unit)
- 1 x Receiver (Wire Tracker)
- 1 x User Manual
- 1 x RJ45 Cable
- 1 x Carrying Bag
- 1 x Test Leads
- 1 x K-type Temperature Probe
- 7 x Remote ID Units



Image: The TOOLTOP GY-628 main unit and receiver, along with the included accessories such as the RJ45 cable, test leads, temperature probe, and remote ID units, all neatly arranged.

The GY-628 consists of two main parts: the Transmitter (main unit) and the Receiver (wire tracker). The Transmitter features an LCD screen for displaying measurement results and various buttons for mode selection and operation. The Receiver is used for tracing cables and identifying signals.

Familiarize yourself with the ports and buttons on both units before operation. The main unit includes ports for RJ45, test leads (COM, V Ω , 10A MAX), and a dedicated port for the visual fault locator. The receiver has an RJ45 port and a mode switch.

SETUP AND BASIC OPERATION

Powering On/Off

- To power on the Transmitter, press and hold the **Power** button.
- To power off, press and hold the **Power** button again until the display turns off.
- The Receiver typically has a rotary switch for On/Off and mode selection.

Battery Charging

The GY-628 features a built-in rechargeable lithium battery. Connect the device to a standard USB power adapter using the provided charging cable. The battery indicator on the LCD will show charging status

OPERATING MODES AND FUNCTIONS

1. Cable Length Measurement

This function measures the length of various metal cables, including network cables, telephone lines, and coaxial video cables, up to 600 meters (1968 feet). It also assesses the condition of the cable.

- Connect one end of the cable to the appropriate port on the Transmitter.
- Press the **LENGTH** button to initiate the measurement.
- The LCD will display the cable length and any detected faults.

2. Cable Mapping (Wiremap Test)

Used to test the connection characteristics of network cables (RJ45), telephone lines, and other multi-core metal lines. It identifies open circuits, short circuits, cross-overs, and incorrect wire sequences.

- Connect one end of the network cable to the RJ45 port on the Transmitter.
- Connect the other end of the cable to one of the 7 remote ID units.
- Press the **TEST** button (or navigate to the Cable Mapping mode).
- The display will show the wiremap results, indicating pin-to-pin connections and any faults.