



INSTRUCTIONS

CM-8 CABLE MAPPER 8 WAY & TONER

The **CM-8** Coax Cable Mapper & Toner is designed to quickly find and identify multiple cables and easily map multi-run coax systems to a central cable bundle. For use on Coax and many other cables for CATV, Satellite Installations, Audio Video Equipment, CCTV and Security & Alarm Installations. The **CM-8** Kit includes 8 way cable mapper, eight unique numbered & colored identifiers, plus two coax alligator clip adapters for maximum flexibility – all neatly packaged in a Cordura case. It also has the ability to put a tone signal on a cable.

OPERATION

The cable mapper is connected to one end of the coax cable and the identifiers are connected to the other end. If there is voltage present the “Voltage!” light will illuminate. Disconnect the tester from the cable and remove the voltage source before further testing. **IMPORTANT** – if a short is found, the short must be cleared before testing can continue.

With the cable mapper and identifiers connected push the TEST button. The red Testing LED will flash quickly while the test is performed. An open or short (red) light indicates a problem. A green light from one of the numbered LEDs indicates a good cable connection. Test results will remain illuminated for 12 seconds.

For unterminated speaker, alarm or security cables simply connect the coax F-Male alligator clip adapter on the cable mapper and clip the alligators to the cable. Then connect the coax F-Female alligator clip adapter with an identifier at the end of the adapter to the cable. Press the TEST button and the resultant LED will illuminate. For unterminated coax cables, clip one alligator clip to the cable shield and one to the center conductor to get a numbered reading.

To put **Tone** on a cable push the TEST button and hold for three seconds until the Tone LED lights (red). The unit will now transmit tone on the center pin of the cable. The Tone LED will flash indicating that the tone mode is on. The Tone mode automatically shuts off after 30 minutes. For an early exit from Tone mode push the TEST button once.

BATTERY REPLACEMENT – When the VOLTAGE! Battery LED flashes red it indicates a low battery. Replace the battery promptly. The **CM-8** is powered by two 3 volt CR2032 batteries. To replace the batteries remove the screws from the back of the unit. Remove the batteries and dispose of properly. Install new batteries observing proper polarity and reassemble making sure not to tighten the screws too tight.

SPECIFICATIONS

Auto Power off: 12 seconds after Pass/Fail results, and 30 minutes in Tone mode. Maximum cable length for testing 4,000 feet. Maximum DC cable resistance 100 Ohms.

NOTE: This Cable Mapper & Toner will not test cable runs with the presence of AC or DC voltage, Power Amplifiers, Isolation Splitters, Attenuators, Directional Line Tap, Power Dividers, Matching Transformers or DC blocking devices.