

AEMC Cable Tester & Locator

Detects and locates faults in electrical cables, telecommunication cables, live & de-energized conductors buried or in walls

- Locates and traces hidden cables
- Detects opens and short
- Detects circuit breakers/fuses
- Single pole & two pole modes
- Backlight & flashlight functions
- 300V CAT III Rating



6681 ▲

ORDERING INFORMATION

AE/2127.85 Model 6681 Cable Tester & Locator

Includes soft carrying case, red & black test leads, 2 alligator clips, 2 test probes, ground rod, 9V battery, 6 AAA batteries and manual.

SPECIFICATIONS

Transmitter:

Display: LCD screen with display of functions & bargraph
 Output Signal: 125kHz
 Voltage Range: Measures 12 to 300V ac/dc
 Functions: Digital coding of signals for easy identification, selection of transmission signal code, flashlight

Dimensions: 7.48 x 3.5 x 1.67" (190 x 89 x 42.5mm)

Receiver:

Display: Backlit LCD with display of functions & bargraph, transmission code, receiver & transmitter battery status

Detection Depth: Single-Pole Application 0 to 6ft (0 to 2m)
 Two-Pole Application 0 to 1.6ft (0 to 0.5m)
 Simple Looping Line Up to 8.2ft (2.5m)

Line Voltage Detect: Approximately 0 to 1.3ft (0 to 0.4m)

Functions: Automatic shutdown, automatic or manual adjustment of reception sensitivity, flashlight

Dimensions: 9.5 x 3.07 x 1.5" (241.5 x 78 x 38.5mm)

AEMC Voltage Testers

An essential tool to ensure no voltage is present before working on any electrical installation

- Detects live & de-energized AC or DC circuits
- Verifies phase rotation
- Checks continuity
- Verifies GFCI operation
- Full autotest
- 1000V CAT IV & IP65 Ratings



C.A773 ▲

ORDERING INFORMATION

AE/2121.14 C.A771 Voltage Tester with LED indicators

AE/2121.15 C.A773 Voltage Tester with LEDs and digital display

Includes 2 AA batteries, velcro strap, set of removable test probes Ø 2mm with crystal safety cover, probe-tip protection, and manual.

SPECIFICATIONS

Redundant Hazardous Voltage Indication: The ELV (Extra-Low Voltage) LED indicates that the voltage is higher than the SELV (Safety Extra-Low Voltage) with the rate at which it flashes proportional to the voltage level

Voltage Absence Test (VAT): 12-1000Vac; 12-1400Vdc

Voltage: C.A771: 8 to 1000Vac/1400Vdc
 C.A773: 1 to 1000Vac/1400Vdc

Frequency: DC, 16.67 to 800Hz

Impedance: >500kΩ (Max. Peak Current 3.5mA RMS)

Stray Voltage Detection: By low-impedance load switching

GFI Tripping: Up to 30mΩ

Phase/Neutral Identification: Above 50V (45-65Hz); Above 150V (16.67-45Hz)

Continuity Test: Buzzer threshold 100Ω typical (150Ω max.)

Resistance Test: C.A771: 2kΩ, 60kΩ, 300kΩ
 (<0.1mA/<3.3V) C.A773: 0.5Ω to 2999kΩ

Phase Rotation: Ph/Ph Voltage 50 to 1000Vac (45 to 400Hz)

Buzzer: Intermittent beep for Voltage Detection;
 Continuous beep for continuity

Operating Temperature: C.A771: -25.6° to 140°F (-30° to 60°C)

C.A773: 5° to 113°F (-15° to 45°C)

Dimensions: 7.72 x 3.54 x 1.85" (196 x 90 x 47.1mm)

Exttech Ultrasonic Thickness Gauges

Compact, handheld instrument for non-destructive thickness measurements of primarily steel structures

- Measure 0.040" to 20" steel
- Sunlight readable LCD display
- Color graphic display (TKG250)

TKG150 & TKG250 add:

- 100k Datalogger
- Echo-Echo test to reduce coating error
- B-scan (visual cross section)



TKG150 ▲

ORDERING INFORMATION

EX/TKG100 Digital Ultrasonic Thickness Gauge

EX/TKG150 Digital Ultrasonic Thickness Gauge/Datalogger

EX/TKG250 Ultrasonic Thickness Gauge/Datalogger with Color Numeric & Waveform Display

includes 2oz bottle of couplant, 2 AA batteries, Transducer (5MHz, 0.375" diameter), hard case, certificate of calibration to NIST. TKG150 & TKG250 also include protective holster, USB cable, XPorter software.

SPECIFICATIONS

Material Velocity: Calibration range 0.200 to 0.7362 in/μS (0.508 to 18.699mm/μS)

Units: Inches/Millimeters/Microseconds

Modes: Hold, freeze, fast min/max

Alarms: Audible beep; flashing display & keypad

Protection: IP54

Battery Life: Up to 50 hrs (20hrs w/backlighting)
 TKG250: Up to 14hrs

Gain Adjustment: TKG150: Low, Standard, High
 TKG250: 20-90dB in 1dB steps or Automatic

B-Scan: Displays a visual cross section of inspection with no correlation to distance.

Echo to Echo: Measures metal thickness only. Paint & coatings do not affect base material thickness value.

Differential Mode: Displays the difference from the actual thickness measurement and a user entered reference value.

Velocity Mode: Displays acoustic sound speed to measure thickness of unknown materials.

Datalogger: Stores 50k readings (expandable to 100k) plus 5,000 waveforms

TKG250 also includes color graphic display, vibrating alarm, adjustable range control, selectable Rectification Modes, & Live Waveform (A-Scan) adjustments.