



## CX10/CX10+

### Cable Length Expert

The CX10/CX10+ is a handheld Cable Length Meter that employs Fast-Edge Step Time Domain Reflectometer (TDR) technology to measure the length of power and telecom cables.

The CX10/CX10+ units are able to measure cable length including the distance to open or short circuit faults up to a range of 2000 meters (6000 feet).

Fast-Edge Step TDR technology measures cable length and locates opens and shorts, with improved range and resolution. Results are displayed directly on an alphanumeric LCD. The units also incorporate an oscillating tone generator to trace and identify pairs within a cable bundle using industry standard tone probes.

An internal library of standard cable types enables accurate distance measurement without having to enter the Velocity of Propagation (Vp) values beforehand, while automatic cable impedance compensation is another time saving feature. In the event the CX10/CX10+ is connected to a live cable, testing is suspended and audible and visual alarms alert the user.

If the units are accidentally connected to a cable carrying a voltage greater than 10 Volts, a warning tone will be emitted and a "Voltage Detected" message will be displayed. This is a great safety feature protecting the technician in potentially hazardous working conditions. A shutdown feature automatically turns the unit off after four minutes of inactivity, preserving battery life.

### Key Features

- Fast-Edge Step TDR technology for improved range and resolution
- Voltage Warning and Test Inhibit
- Simplified readout requiring no trace interpretation
- ID Room Detection (CX10+ only)
- Rugged, Ergonomic Handheld design
- Weighs less than 350g (12oz)
- Built in Tone Generator for Pair Tracing and Identification
- Internal Cable Library of 39 standard cable types
- Suitable for testing all Communication and Power Cables
- Environmental Protection IP54
- CE Approved
- Includes Nylon Tool-belt Holster and Test Leads



Banana



BNC

## Specifications

Range	2000m (6000ft) at Vp=70%
Accuracy	± 2% <sup>1</sup>
Resolution	0.1m up to 100m, then 1m (0.1ft up to 100ft, then 1ft)
Velocity Factor	Adjustable from 0% to 99%
Output Pulse	5 Volts peak to peak into open circuit; Nanosecond rise step function
Output Impedance	Automatic compensation
Cable Library	39 standard cable types
Tone Generator	810 - 1100Hz (oscillating)
Battery Life/Indicator	100+ hr continuous/ Shows % capacity
Power Supply	6 Volts (4 x 1.5 AA Alkaline cells)
Auto Power Down	After 4 minutes of inactivity
Display	2 x 16 digit alpha-numeric LCD
Voltage Detection	>10 Volts AC/DC
Operating Temperature	0°C to +40°C (+32°F to +104°F)
Storage Temperature	-20°C to +70°C (-4°F to +158°F)
Dimensions	165 x 90 x 37 mm (H x W x D) 6.5 x 3.5 x 1.5 in
Weight	350gms (12oz)
Safety	IEC 61010-1, EN 60950
EMC	BS/EN 61326-1
Splash Resistant/Dust Proof	IP54

<sup>1</sup> Assumes accurate setting for velocity of propagation (Vp) of the cable under test, and homogeneity of the Vp along the cable length.

## Ordering Information

### CX10

Z02-00-002G	CX10 Fault Caster
(select one)	
Z02-99-003G	CX10 Fault Caster (BNC Interface)
Z02-99-004G	CX10 Fault Caster (Banana Interface)

### CX10+

Z02-00-003G	CX10+ Fault Caster
(select one)	
Z02-99-005G	CX10+ Fault Caster (BNC Interface)
Z02-99-006G	CX10+ Fault Caster (Banana Interface)
(Recommended Accessories)	
Z77-00-012G	Pack of 6 Cable Identifier Terminators



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