

Model 1205C



Model 1205C is the choice of CATV and other coaxial cable industries such as Power, Broadcast, 2-Way, LAN, Cellular, Avionics, and many other industries featuring coaxial cable. Model 1205C will also test twisted pair cable or any other metallic two conductor cable, but is designed specifically with coaxial applications in mind.

Model 1205C will locate and identify a variety of cable and component faults in all types of metallic paired cable. The Model 1205C is used primarily for fault finding but can also be used for measuring lengths of cable. This can be helpful for checking incoming new reels of cable or to determine how

much cable is left on a partial reel.

Model 1205C has many unique and exclusive features:

SUPER-STORE waveform storage is the most advanced system available today for the storing and documentation of waveforms and other data.

WAVE-VIEW for Windows software provides the ability to upload stored waveform information to a PC for additional storage, and for later analysis.

Dual Independent Cursors provide the ability to measure between any two points on a waveform.

Specifications

Multi-Function Filtering helps filter out unwanted waveform noise caused by outside interference.

AUTO-SEARCH will automatically locate the end of the cable or a major fault within seconds. A **Range** function can also be utilized to automatically step through six preset distance ranges.

The **Intermittent Fault Detection** function will monitor the cable for intermittent or momentary faults and "capture" any change in the waveform.

Model 1205C comes complete in a rugged, weatherproof carrying case and can be utilized for all inside and outside plant applications.

Physical Dimensions:

Height: 10.5 inches (267 mm)
Width: 9.75 inches (247.6 mm)
Depth: 5 inches (127 mm)
Weight: 8 lbs. (3.6 kg)

Power/Charger:

Lead acid or NiCad battery pack
12 VAC, 1A (minimum) charger

Environmental:

Operating temperature:
0°C (+32°F) to +50°C (+122°F)
Storage temperature:
-20°C (-4°F) to +60°C (+140°F)
Humidity: 95% maximum relative humidity, non-condensing

Display:

128 x 256 dot-matrix, HYPERTWIST Liquid Crystal Display (LCD) with Electroluminescent back lighting

Maximum Ranges:

63,700 ft (19,400 m) at .99 VOP
38,600 ft (11,700 m) at .60 VOP
Maximum testable cable length will vary with pulse width and cable type.

Horizontal Resolution:

Up to 2000 ft (610 m): .25 ft (.07 m) at VOP of .999; .07 ft (.02 m) at VOP of .300
Over 2000 ft: 1 ft (.1 m) at any VOP

Vertical Resolution:

14 bits with 93 dots displayed on LCD

Vertical Sensitivity:

Greater than 65 dB

Velocity of Propagation:

Keypad selection from .300 to .999 in

.001 increments

Input Protection:

400 volts (AC+DC) from DC to 400 Hz and decreases to 10 volts at 1 MHz

Distance Accuracy:

+/- .5 ft (.15 m) plus +/- .01% of reading

Output Impedance:

Key pad selectable

Output Connector:

Female BNC

Serial Output Port:

RS-232

Output Pulses:

2, 10, 100 nsec, 1, 2, and 4 usec

Auto dBRL:

2 digit auto-calculation at cursor setting

Waveform Storage:

Standard: 4 at 12,000 samples
8 at 6,000 samples
16 at 3,000 samples
Optional: 16 at 12,000 samples
32 at 6,000 samples
64 at 3,000 samples

Each has full vertical resolution

Automatic/Manual Noise Filter:

Standard: Two averaging filters
Optional: Multi-function/level filtering

Auto Off:

Timed

CE Certified available

