The Model 3300 is one of the fastest, most accurate test methods for locating problems on twisted pair cable. The instrument's easy operation and field durability makes the Model 3300 a valuable troubleshooting tool.

The Model 3300 is a hand-held, metallic TDR designed specifically for fault locating on a variety of twisted pair cable applications, such as telephone, LAN, signaling, utilities and avionics.

Designed for easy operation and engineered for accuracy, the Model 3300 tests for opens, shorts, sheath faults, broken or loose conductors, load coils, bridged taps, water damage, crimps, cuts, smashed cables and more!

The Model 3300 is housed in a high impact ABS plastic case and further protected by a nylon carry bag, which provides storage for connectors and operator’s manual. The high resolution Liquid Crystal Display (LCD) shows the live waveform of the cable under test, plus useful data such as distance to the fault, pulse width, balance control setting, and battery charge level. The built-in backlight is ideal when testing in a low light environment.

Selected functions and operations are controlled by the keypad, such as waveform position, horizontal zoom, vertical gain, cursors, range, contrast and backlight. A popup menu is easily accessible for additional functions. The Riser Bond unique popup menu system allows the operator to quickly select and use a function while the waveform is active.

The high energy, rechargeable batteries keeps the instrument instantly ready for service calls. The small size and lightweight packaging is convenient for all aerial and underground applications. The rugged, splashproof casing is ideal for outside environments.

Exclusive features, such as RANGE-PLUS, Noise Filters, SUPER-STORE, and Intermittent Fault Detection (IFD) provide the Model 3300 with superior functions and test capabilities.
Model 3300

Product Specifications

Physical Dimensions - Instrument Only:
- Height: 4.7 inches (120 mm)
- Width: 9.5 inches (240 mm)
- Depth: 2.4 inches (60 mm)
- Weight: 2.75 pounds (1.2 kg)

Physical - Instrument with Nylon Case
- Height: 6 inches (152 mm)
- Width: 11 inches (280 mm)
- Depth: 4.5 inches (115 mm)
- Weight: 4.75 pounds (2.15 kg)

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

Power Battery: Internal, rechargeable, 7.2V Nickel metal hydride

Charging Source:
- External 12 VAC transformer, 1.3 A

Operating Time:
- Greater than 10 hours, continuous without backlight

Display:
- 320 x 240 dot matrix liquid crystal display (LCD) with electroluminescent backlighting

Horizontal Resolution: 1 ft. (0.1 m) at any VOP

Vertical Resolution: 14 bits with 203 dots displayed

Vertical Sensitivity: Greater than 56 dB

Output Signal:
- Pulse widths of 5, 25, 100, 500 nsec, 1 usec

Output Balance: Variable

Velocity of Propagation:
- Two user-selectable display formats. VOP(%) with 2 digit precision ranging from 30% to 99%; V/2 with 3 digit precision ranging from 45 to 148 meters mode or from 148 to 487 in feet mode.

Input Protection:
- 400 volts (AC+DC) from DC to 400Hz and decreases to 10 volts at 1 MHz.

Distance Accuracy:
- +/- 0.5 ft. (0.15 m) plus +/- 0.01% of reading

Waveform Storage:
- 6,144 samples per waveform
- Standard: 4 SUPER-STORE waveforms
- Optional: 16 SUPER-STORE waveforms

Noise Filter:
- Standard: 8x, 50/60 Hz, auto
- Optional: 4x, 16x, 32x, 64x, 128x averaging

Standard Accessories:
- Operator’s manual, 12 VAC Charger, Black nylon carry case, telco test leads.

Optional Accessories:
- Extended waveform memory storage, additional noise filters, extended warranty.

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