The Model 1270A offers some key benefits and features:

◆ **Direct Connections from both Coax and Twisted Pair** - Superior fault location in a variety of industries and applications. The 1270A will directly test coaxial cable and twisted pair cable by using front panel connections.

◆ **Range Plus** - Two button operation that allows the operator to quickly scan the cable under test while automatically stepping through a specific pulse width, vertical gain, and cable length.

◆ **2-Line Input** - Connect two twisted pair cables simultaneously for comparison.

◆ **Sub-nanosecond Pulse Width** - Pinpoint minor faults which interrupt digital services and cause signal loss, ingress and egress.

◆ **Intermittent Fault Detection (IFD)** - Monitor and locate hard-to-find intermittent faults using the IFD mode.

◆ **Dual Independent Cursors** - Measure between any two points on the waveform.

◆ **Super-Store Waveform Data Storage** - Helps reduce downtime in a system. Simply connect the TDR, press “store”, and have the system back up and running within minutes. Analyze the waveform later.

◆ **Waveview Software** - Upload waveforms to your computer. Document before accepting new plant, save money when comparing replacement versus repair cost.

◆ **Rugged, Waterproof Packaging** - Helps to keep the 1270A on the job, regardless of location or climate condition.

◆ **Easy-to-use** - Logical, step-by-step testing for fault location and diagnosis. Easy-to-use by all levels of expertise.
Model 1270A
Product Specifications

Physical Dimensions:
- Height: 9.75 inches (247.6 mm)
- Width: 10.5 inches (267 mm)
- Depth: 5 inches (127 mm)
- Weight: 6 pounds (2.7 kg)

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

Charging Source: External 12 VAC transformer, 1.3 A

Operating Time:
- Greater than 6 hours, continuous without backlight

Environmental:
- Oper. Temp: 0°C (+32°F) to +50°C (+122°F)
- Typical Temp: -15°C (+5°F) to +60°C (+140°F)
- Storage Temp: -20°C (-4°F) to +60°C (+140°F)
- Humidity: 95% maximum relative humidity, non-condensing

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

Maximum Ranges:
- Coax: 63,700 ft. (19,400 m) at .990 VOP
- Line 1, Line 2: 38,600 ft. (11,700 m) at .600 VOP
- Any Input: 38,600 ft. (11,700 m) at .600 VOP

Horizontal Resolution:
- Coax: <2,000 ft. (610 m): <.05 ft. (.03 m) at .999 VOP
- <.02 ft. (.01 m) at .300 VOP
- Line 1, Line 2: <2,000 ft. (610 m): <.25 ft. (.08 m) at .999 VOP
- <.08 ft. (.03 m) at .300 VOP
- Any Input: <2,000 ft. (610 m): 1 ft. (.1 m) at any VOP

Velocity of Propagation:
- Two user-selectable display formats. VOP(%) with 3 digit precision ranging from 30% to 99.9%; V/2 with 4 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:
- Accuracy will vary with cable VOP and cable type.
- Coax: +/- .1 ft. (.03 m) plus +/- .01% of reading
- Line 1, 2: +/- .5 ft. (.15 m) plus +/- .01% of reading

Serial I/O Port:
- RS-232

Output Pulses:
- Coax: sub-nanosecond, 2,25,100,500 nanoseconds
- Line 1, 2: 2,25,100,1000,6000 nanoseconds

Auto dBRL:
- 2 digit auto return loss calculation at cursor setting

Auto Crosstalk:
- Line 1, Line 2 only. 2 digit crosstalk calculation at cursor setting

Waveform Storage:
- 6,144 samples per waveform
- Standard: 8 waveforms
- Optional: 32 waveforms

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

Standard Accessories:
- Operator’s manual, shoulder strap, battery charger and pack, probes & connectors, noise filters, Waveview for Windows software, clip-on accessory bag.

Optional Accessories:
- Additional waveform storage, multi-functional/multi-level noise filtering, strand hooks kit, 12V cigarette lighter charger, custom soft-side carry case, extended warranty.

www.rjmcompany.com