

## 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 Dimensions (Instrument and Case):

**Height:** 6 inches (152 mm)  
**Width:** 11 inches (280 mm)  
**Depth:** 4.5 inches (115 mm)  
**Weight:** 4.75 pounds (2.15 kg)

**Power:** Battery: Internal, rechargeable 7.2V Nickel metal hydride  
Charging Source: External 12 VAC transformer, 1.3A  
Operating Time: Greater than 10 hours, continuous, without backlight

### Environmental:

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

### Display:

320 x 240 dot matrix liquid crystal display (LCD) with electroluminescent backlighting.

### Horizontal Resolution:

1 foot (0.1 m) at any VOP

### Vertical Resolution:

14 bits with 203 dots displayed

### Output Pulse:

Pulse widths of 5, 25, 100 nsec, 1000 nsec

### Maximum Range:

38,600 ft (11.7km) at 60% VOP  
63,700 ft (19.4km) at 99% VOP  
Range varies with VOP. Maximum testable cable length will vary with pulse width and cable type.

**Vertical Sensitivity:** Greater than 65 dB

**Distance Accuracy:** +/- 0.5 ft (.15 m) plus +/- .01% of reading

### Input Protection:

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

**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 in meters mode or from 148 to 487 in feet mode

### Waveform Storage: 6144 samples per waveform

**Standard:** 4 SUPER-STORE waveforms  
**Optional:** 16 SUPER-STORE waveforms

### Software Noise Filter:

**Standard:** 8x, 50/60 Hz, Auto  
**Optional:** 4x, 16x, 32x, 64x, 128x Averaging

### Accessories:

**Standard:** Operator's manual, 12 VAC Charger, padded carrying case, two banana jack test leads  
**Optional:** Extended warranty, Extended waveform storage, Extended noise filters

**CE CERTIFIED**

**Year 2000 Compliant**

**ISO 9001 Certified**

Technological advances allow changes in specifications and/or components. Changes may be made without notification.

**For more information on this instrument call (402) 466-0933 or (800) 688-TDRS.**