

# CABLESCOUT® TV220

## SPECIFICATIONS

### Output

Test Signal Output - 1/2 Sine  
 Amplitude - 6V into 75 Ω  
 Pulse Width - 1 ns, 5 ns, 25 ns  
 Output Impedance - 75 Ω

### TestWizard™ Testing

Automatically marks faults. Operator choice of three levels of event marking:

- Mark largest event
- Mark three largest events
- Mark all events

### Return Loss -

Automatic at cursor location  
 Resolution: ±1 dB

### Input Protection -

±400 VDC + peak AC up to 440 Hz, 30-second duration

### Maximum Distance Range -

12,000 ft. (3,658 m), depending on cable type and condition

### Gain -

0 to 90 dB, in 3 dB steps

### Waveform Storage -

Minimum of 20 waveforms

### Distance Accuracy -

Feet:

0 to 2,000 ft.: ±2 ft. ± uncertainty in Vp  
 2,001 to 6,000 ft.: ±3 ft. ± uncertainty in Vp  
 6,001 to 12,000 ft.: ±4 ft. ± uncertainty in Vp

Meters:

0 to 610 m: ±0.6 m ± uncertainty in Vp  
 611 to 1830 m: ±0.9 m ± uncertainty in Vp  
 1831 to 3658 m: ±1.2 m ± uncertainty in Vp

### Display -

Resolution: 640 x 440

Size: 7.2 inch

Type: High contrast LCD

Backlight: Operator switchable

Waveform Display Resolution - 0.17 ft (4.6 cm) minimum

Display Ranges - Eight display ranges from 100 ft.

(29 m) to 12,000 ft. (3,658 m), plus single-button zoom window

Output Port - USB type B

Distance Measurements - Meters, feet, nanoseconds

### General Characteristics

Environmental, EMC, Safety

### Temperature -

Operating: -10° C to +40° C (+11° F to +104° F)

Non-operating: -20° C to +60° C (-4° F to +140° F)

Humidity - 10% to 95% (non-condensing)

Field Usage - Shock, water, and dust resistant

Durability - Survives drop of 2 meters (6 ft.) to concrete in standard soft case. Drip proof, dust resistant

### EMI Emissions -

EN61326-1:2006

CISPR 11:2009

### Safety -

IEC61010-1:2001(2nd Edition); EN61010-1:2001(2nd Edition)

### Power

#### AC Operation -

Voltage Ranges: 100-240 VAC with supplied AC Adapter

Line Frequency: 50 Hz to 60 Hz

DC Operation -

Voltage Range: 9 to 16 VDC @ 1A (charging and operating)

### Battery Operation -

Type: Internal Li-Ion rechargeable battery

Operating Time: Typically 8 hours continuous operation (backlight off)

Battery Savers (user selectable) -

Shutoff: 5 to 30 minutes or disabled

Backlight: 10 s

Backlight: 10 s to 10 min or always on

### Physical

DIMENSIONS	CENTIMETERS	INCHES
HEIGHT	25	10
WIDTH	30	12
DEPTH	9	3.5
WEIGHT	KILOGRAMS	POUNDS
NET	2.3	5.1

### Warranty

One year



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