

# CableScout™ TV220E / TV220EX Advanced TDR

CableScout™, a trusted name in time domain reflectometry (TDR) with decades of experience from Tempo Communications, is now re-imagined and updated for the DOCSIS 3+ “hybrid” fiber-coax era.



## CableScout TV220E

The best just got better! The new CableScout TV220E features a new sleek design with full color touchscreen offering higher resolution and modern user interface. The updated unit offers improved speed and functionality over the predecessor TV220, in a smaller, easy to carry case.

The modernised TDR engine offers lower noise and higher bandwidth allowing you to see much more subtle faults more easily. Range is extended by allowing for greater data capture plus inclusion of longer “digital” pulses.

The multi-touch features of the touchscreen make many routine tasks simpler and faster allowing pinch-to-zoom etc. But TV220E retains push-buttons ensuring that control remains straightforward when working in the field. Connectivity for transfer of saved results for later analysis and reporting is improved, starting with simple USB and “thumb drive”.

## Features

- Compact, lightweight & rugged design
- 7” full-color, high resolution, sunlight readable, touchscreen with “multi-touch”
- Push-button controls allow for gloves and dirty environments
- Improved UI for rapid, intuitive testing
- TestWizard & automatic event detector with configurable event thresholds
- Advanced analysis modes: Test, Intermittent. Test vs. Saved, Saved and Difference etc.



## CableScout TV220EX

The EXTREME cable technician's TDR: Takes all the features of the new TV220E and places this inside a rugged IP67 weathertight carry case. With enough space to store your patch cord and other accessories within the case, this makes CableScout TV220EX very versatile.

- Compact
- Rugged
- IP67 when closed
- Storage for accessories (self-contained)



Specifications	
Maximum range:	5.58 km (Vp=0.93)
Basic Accuracy:	±0.01% ±300ps
Horizontal Resolution (ns):	0.05 to 20 ns (varies with range)
Display resolution:	1024 x 600 full colour capacitive touchscreen (up to 800 nits bright backlight)
Push-button User Interface:	13 mechanical keys, operable with gloves
Input Protection:	400 V peak
Output Pulse Amplitude:	4V to 6V
Output Impedance	75Ω
Pulse Widths:	2, 5, 25, 125, 250, 500 ns.
Pulse Shapes	Raised Cosine (2, 5, 25 ns), Digital (125, 250, 500 ns)
Velocity Factor (Vp)	Range: 0.300 to 1.000 (numeric factor, %, metres per microsecond or feet per microsecond)
Event Markers:	>6
Connection	F-connector with replaceable coupler
Test Modes	Standard Test; Intermittent Fault Detection; Test vs. Saved, Test vs. Saved and Difference
Report Storage	>100 traces
Report Writing Application	Tempo Report Writer for PC (Android and iOS in development)
Size	TV220E, 27 x 16 x 5 cm, (10.3 x 6.4 x 2.2 in) TV220EX 32 x 23 x 11 cm (12.6 x 9 x 4.3 in)
Weight	TV220E 1200g, (2.6 lbs) TV220EX 2109g, (4.6 lbs) excluding accessories
Battery	Four cell, Lithium-ion, 60Wh
Battery Run Time	>8 hours at typical backlight brightness

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