



CellScout Smart Cellular Surveyor



Consultix CellScout is an ultra-portable, fast and easy to use tool for over-the-air measurements of 4G and 5G networks. Designed for installation and optimization crews, CellScout provides instantaneous insights about network activities of the current serving cell as well as its neighbors. CellScout is a stand-alone device that fits in the palm of the user, while allowing direct control and measurements reviews at maximum simplicity and convenience without need for any external host.

Measurement Insights

- 4G & 5G Networks (3G optional)
- RSSI, SINR, RSRP and RSRQ
- Cell Info including NCGI for 5G Slicing
- Associated GPS and Compass Bearing
- Gauges, Charts and Maps
- User Aids & Threshold Indicators
- Band and Cell Forcing

Fit & Smart

- Light-weight <1Kg
- Palm Size
- Heavy-duty metal body
- Touch Screen
- Variety of accessories
- IP65 Protection



Specifications

Technology	4G (LTE) and 5G NR (SA and NSA) / All Global Bands (Chipset Quectel RM520N-GL)
Main Measurands	RSSI, SINR, RSRP and RSRQ
Info Acquisition	Frequency Band, PCI/Cell ID, EARFCN, GPS and Bearing, ECGI, NCGI
Accuracy	± 2 dB
GPS Receiver	Built-in
User Control	Touch Screen
Display Size	5"
Refresh Rate	≥ 1 second (user adjustable)
Result Representation	Serving cell (rotary gauges, instant values, maps and time chart) Top N available Cells (Bar charts)
Additional User Settings	Legend for measurands (Excellent / Good / Fair / Poor)
User Aids	Pass/Fail indicator and Audio alert on failing the thresholds
SIM Card Dependency	SIM-based and SIM-less scanning
Locking	Cell Locking or Band Locking
User Inputs	Text fields via touchscreen keypad (ex. Site ID, Address, Technician ID, antenna gain compensation/offsets and target tower coordinates)
Battery Operation	> 5 hours continuous operation
LED or Screen Indicators	Charging, Power and Scanning
MIMO Capability	Optional (4x4)
5G Cell ID (NCGI) for 5G Slicing	Decimal format
GPS Antenna	Attachable
Remote and Data Access	WiFi, WiFi hotspot, Built-in VNC server
Export format	CSV
Interfaces	4 × RF Ports + GPS port, DC Input
RF Connector	SMA Female
Standard Antennas	4 × paddle antennas (700 - 3800 MHz)
Enclosure	Heavy-duty metal
Ingress Protection	IP65
SIM Card Holder	Easy Access External SIM card holder
Operating Temperature	-20 to 50 °C
Relative Humidity	< 80 % @ 0 to 35 °C and < 70 % @ 36 to 50 °C. Non-condensing
Dimensions	230x125x50 mm
Weight	<1Kg
Standard Package	Basic instrument, AC/DC charger, 4 × paddle antennas and user guide

A P A C D I S T R I B U T O R

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