

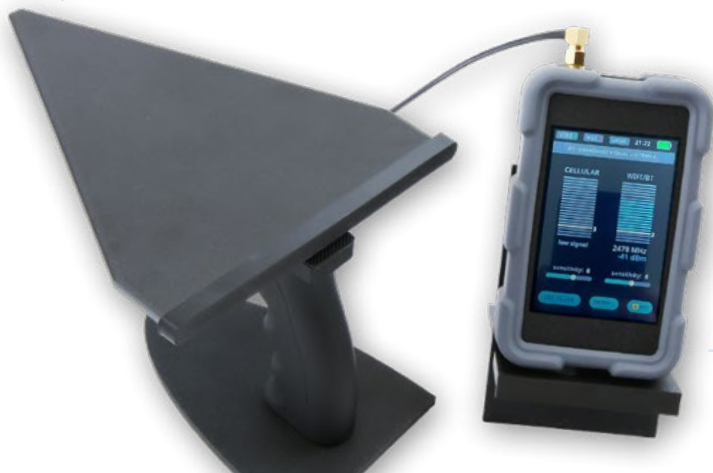


COMMS-TEK RANGER™

Phone and Smart Device Prevention for Examinations and Controlled Environments

Key features

- **Dual Range Detection Technology**
- **Simultaneous Cellular, Wi Fi & Bluetooth Detection**
- **Manual & Automatic Logging**
- **Directional & Omnidirectional Antennas**
- **Customisable Sensitivity Presets**
- **Flexible deployment options for handheld or tabletop operation**
- **Adjustable audio, vibration and display brightness**
- **Up to 8 hours' rechargeable battery operation**
- **Continuous operation when connected to mains power**
- **Custom regional cellular profile detects every band in any country**



Detects activity from



Smart-phones



Tablets



Smart watches



Mobile hotspots



Smart glasses



Wireless earbuds

and other connected devices

Screen → Monitor → Investigate

The Ranger™ integrates long-range cellular detection with close-range Wi-Fi and Bluetooth detection to support the complete device control process.

Screen candidates before they enter

- Deploy Ranger™ at entrances and registration areas to detect wireless activity at close range
- Passively scan for signals as candidates enter the controlled area
- Deter prohibited device use through visible screening and detection



Monitor the area during the session

- Deploy Ranger™ within the examination room or controlled area
- Silently monitor for wireless activity throughout the session
- Receive immediate alerts if a device within range is switched on or actively used



Investigate detections and locate signal sources

- When wireless activity is detected, Ranger™ can assist with locating the suspected device
- Use the directional antenna to perform targeted screening of the suspect or area
- Pinpoint the source of the signal and support removal of the threat



Key specifications

Detection range	Cellular: Outdoor range up to 100 metres* Indoor range up to 50 metres* Wi-Fi/Bluetooth: Up to 3 metres* *Range differs depending on target signal strength, external factors such as physical environment, antenna used, interference signals present etc.
Signal detection types	Simultaneous Cellular, Wi-Fi + Bluetooth Classic and Bluetooth Low Energy
Frequency range	600 MHz to 5.9 GHz
Sensitivity	-75 dBm
Alerts	On screen signal strength metres with threshold Sound alerts Vibration alerts
Antennas	Choice of antennas: Omnidirectional antenna (included) Handheld directional antenna with table-top stand (included) Connector: External SMA antenna connector
Sensitivity controls	Sensitivity control: 0 = off. 1-9 = low to high Presets: Create custom preset sensitivity profiles which can be activated or deactivated in to appear in the presets list

Logging	Auto and manual logging Auto logging automatically logs alerts that exceed a preset threshold Manual logging allows the operator to log an alert using a log button The log file will show the time and date of logging, signal type, signal strength and frequency Log files can be downloaded to external USB drive
Frequency profile	Updateable geographical frequency profiles via USB
User interface	Colour IPS display with touch control Sunlight readable screen Adjustable brightness
Battery	Internal rechargeable Li-Polymer battery Run time up to 8 hours Charging time 5 hours
Power input	USB-C type connector. 5V, 2A. Can be plugged in for continuous operation
Enclosure	Plastic with soft silicon protection cover
Accessories	Tabletop stand
Dimensions	Width: 78 mm Height: 124 mm Depth: 28 mm
Weight	240 grams (excluding antenna)
Ambient operating temperature range	-30 to +35° Celsius

Built for device-free environments

Ranger provides the visibility needed to support device-free policies through entry screening, continuous monitoring and targeted investigations. Combining cellular, Wi-Fi and Bluetooth detection in a single portable device, it helps staff respond confidently to wireless activity.

Request a demonstration: www.comms-tek.com