Network Tester 2 450

ENQT
EXPERTS IN NETWORK QUALITY TESTING

TECHNICAL DATA SHEET

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Description:

The **Network Tester 2 450** can test and measure public mobile networks in 2G (GSM) and 4G (LTE) as well as LTE networks in the 450 MHz band such as the German *450connect* network. This makes it the ideal companion for smart meter rollouts and critical infrastructure installations. The Netztester family is renowned for its ease of use and the Netztester 2 450 is no exception. It can easily and reliably determine which networks are available and which network operator offers the best coverage and network quality, even in difficult field conditions. This makes installations much easier and faster. Particularly in the case of smart meter rollouts, this eliminates the need for multiple site visits and significantly increases the availability of correctly installed infrastructure.

Technical details:

Technology	2G/GSM, 4G/LTE, LTE 450 MHz
Frequency bands	2G/GSM: 900 / 1800 MHz 4G/LTE FDD: B1 / 3 / 5 / 7 / 8 / 20 / 28 / 31 / 72
SIM card[1]	Built-in SIM card supporting selected public 2G and 4G networks (in Germany: Telekom, Vodafone, and Telefónica as well as different European networks) Additional 2 externally accessible SIM card slots supporting Nano (4FF) format SIM cards
Features Cellular Networks	- Active test of usable cellular networks - Continuous live measurement of a selected cellular network - Display of signal level/signal quality (RSRP/RSSI/RSRQ in dBm/dB) - Measurement of latency/RTT[2] (ms) - Measurement throughput[2] (bit/s) - Display of technical network parameters (e.g. cell ID) - Configurable restriction of network technologies and frequency bands - Display of usable mobile networks separately for each frequency band - Creation of configuration profiles
Measurement data export[2]	- Local CSV export via built-in WiFi hotspot - Automatic upload to TMate portal
Antenna connector	SMA (1×)
Indicators	Signal level/signal quality (RSRP/RSSI/RSRQ in dBm/dB), latency/RTT (ms), throughput (bit/s), technical network parameters (available features may vary depending on selected service contract)
Display	3.5" TFT color display (45 mm × 75 mm, 480 × 800 pixel)
Internal Battery	Li-Ion, 3,500 mAh, up to 8 hours battery life
Charging port	USB C, 5V (DCP) USB-PD supported (up to 20V, up to 2A)
Conformity	CE, ROHS, WEEE
Dimensions	170 x 96 x 35 mm

Weight	385 g
Country of origin	Germany
HS Code	90304000
Part number	664 (without service agreement) 669 (with service agreement „plus“) 673 (with service agreement „max“)

Notes:

- [1] You need to provide your own SIM card to use the 450connect network.
- [2] The available features may vary depending on selected service contract.
- The values stated under ‘Dimensions’ refer to the main device without antenna.

Scope of delivery:

- Netztester 2 450
- Wideband antenna
- Protective carrying case
- Power supply unit
- USB-C cable
- SMA to FAKRA adapter
- Stylus (Touch pen)
- SIM tool