# Network Tester 2 Metering Edition (NT2ME)

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EXPERTS IN NETWORK QUALITY TESTING

## TECHNICAL DATA SHEET

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## Description:

The **Network Tester 2 Metering Edition** allows to measure, test and analyze both public 4G (LTE) mobile networks and the 450 MHz network for utilities and critical infrastructure. The device is also suitable for analyzing and maintenance of LMN bus and wireless M-Bus installations. The device is designed to support tasks related to metering and during iMSys installation. The Netztester 2 Metering Edition has a modular design and can be extended using plug-in modules, allowing new functions to be added in the future.

## Technical details:

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| **Technology** | 2G/GSM, 4G/LTE, LTE 450 MHz |
| **Frequency Bands Cellular Networks** | 2G/GSM: 900 / 1800 MHz<br>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)<br><br>- Additional 2 externally accessible SIM card slots supporting Nano (4FF) format SIM cards |
| **Features Cellular Networks** | - Active test of usable cellular networks<br>- Continuous live measurement of a selected cellular network<br>- Display of signal level/signal quality (RSRP/RSSI/RSRQ in dBm/dB)<br>- Measurement of latency/RTT[2] (ms)<br>- Measurement throughput[2] (bit/s)<br>- Display of technical network parameters (e.g. cell ID)<br>- Configurable restriction of network technologies and frequency bands<br>- Display of usable mobile networks separately for each frequency band<br>- Creation of configuration profiles |
| **Features LMN** | - Measurement of the bus supply voltage<br>- Measurement of the voltage of the data lines<br>- Detection and display of bus fault states<br>- Display of received error-free and corrupted bus messages<br>- Display of devices connected to the bus<br>- Perform crypto reset<br>- Perform reset of tamper detection<br>- Detailed packet analysis<br>- Switchable built-in terminating resistor<br>- Switchable built-in bias resistors<br>- Switchable swapping of the A/B line |
| **Features wM-Bus** | - Receiving of messages in S and T+C modes<br>- RSSI display (dBm) per device and per package<br>- Filter listing by device identifier<br>- Packet analysis (SML, Compact Profile) |
| **Measurement data export[2]** | - Local CSV export via built-in WiFi hotspot<br>- Automatic upload to TMate portal |

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| **Antenna connectors** | 1× SMA for 2G/4G<br>1× SMA for wireless M-Bus |
| **LMN Bus Connector** | RJ12 (female) |
| **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)<br>USB-PD supported (up to 20V, up to 2A) |
| **Conformity** | CE, ROHS, WEEE |
| **Dimensions** | 170 x 96 x 35 mm |
| **Weight** | 432 g |
| **Country of origin** | Germany |
| **HS Code** | 90304000 |
| **Part number** | 892 (without service agreement)<br>897 (with service agreement „plus“)<br>898 (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 antennas and plug-in modules.

## Scope of delivery:

- Network Tester 2 Metering Edition
- 1 large broadband antenna (for cellular networks)
- 1 small connector mount antenna (for wireless M-Bus)
- Protective carrying case
- Power supply unit
- USB-C cable
- SMA-FAKRA adapter
- Stylus
- SIM tool