

# Keysight Technologies

## Nemo Autonomous Probe 4UE

### 24/7 Unattended Measurements, Benchmarking, and Collection of Statistics

Nemo Autonomous Probe 4UE from Keysight Technologies, Inc. is an ideal solution for performing automated, unattended large-scale measurements. It can be deployed in vehicles and fixed locations. Nemo Autonomous Probe 4UE houses up to four Android smartphones and supports all 3GPP technologies up to LTE Cat 9.



Anite is now part of Keysight Technologies



Unlocking Measurement Insights

## Network Measurements for All 3GPP Technologies Up to Cat 9

Nemo Autonomous Probe 4UE is an autonomous field unit for unattended, remote-controlled measurements. It can be installed in fixed locations, such as airports, offices, campuses, and shopping malls as well as in moving vehicles, such as taxis, delivery trucks, and ships. Nemo Autonomous Probe 4UE lets you to focus on the problem spots rather than on collecting information, enabling a completely automated data-processing chain from the field to an open workbook with analysis results.

Nemo Autonomous Probe 4UE employs up to four handsets equipped with Nemo Handy Autonomous software and an uplink modem with continuous data connectivity to a remote server. Nemo Autonomous Probe 4UE is part of the Nemo Autonomous solution consisting of Nemo Autonomous Probe 4UE field units, Nemo Cloud for remote control, and Nemo analytics solutions for reporting and analysis.

There are two different variants of the Nemo Autonomous Probe 4UE available: one with external antennas for the terminals and one without antennas. In Nemo Autonomous Probe 4UE without external antennas, the metallic lid has plastic openings to prevent signal attenuation. The Nemo Autonomous Probe's metal enclosure with a sealed lid provides protection for minor physical impacts and dust. The smartphones are held in place by universal terminal holders. The unit is equipped with automatic power on /off for the terminals as well as a Control PC with optional LAN and WiFi connectivity that acts as an HW watchdog, ensuring fully unattended operation. The unit has a USB GPS for location information and mobile antennas ensuring easy and robust installation.

### Features

- Weight: 10.2 kg
- Operating temperature: -15 °C to 40 °C
- Input voltage: 12 V max 8 A
- Enclosure material: metal
- Dimensions: 401 x 413 x 108 mm
- GPS input: SMA
- Mobile antenna input/output: SMA

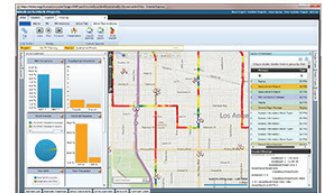
Nemo Autonomous Probe 4UE



Nemo Cloud



Post-processing



Nemo Autonomous Probe 4UE supports network measurements for all 3GPP technologies up to LTE Cat 9. Service measurements for data and voice are also supported, including POLQA and PESQ voice quality measurements, FTP, and YouTube. The supported network and service testing capabilities are determined by the Nemo Handy Autonomous terminals used with the Nemo Autonomous Probe 4UE. Terminal development is fast and life cycles are getting shorter all the time. Nemo Handy has a proven track record of rapid adaptation to the latest terminals and technologies. Deployed Nemo Autonomous Probe units can be upgraded with the latest Nemo Handy terminals, ensuring flexible and future-proof autonomous testing of the latest technologies.

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