Nemo Autonomous Probe

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

Nemo Autonomous Probe is an autonomous field unit for unattended, remote-controlled measurements. Ideal for performing automated, unattended large-scale measurements, Nemo Autonomous Probe can be deployed in vehicles and 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 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 supports all major technologies and latest smartphones.

Features (4UE)

- 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

Features (1UE)

- Weight: 3.2kg including a terminal
- Operating temperature:
- 0 °C to +50 °C
- Input voltage: 10-17VDC, 5A
- Enclosure material: Plastic
- Dimensions: 312 x 260 x 76.5 mm
- USB GPS
- Mobile antenna input/ output: SMA connectors

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Network Measurements for all major technologies

Nemo Autonomous Probe supports all major technologies and latest smartphones. 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. 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.

Nemo Autonomous Probe is available in two versions, employing either one (1UE) or up to four (4UE) handsets equipped with Nemo Handy Autonomous software and an uplink modem with continuous data connectivity to a remote server. Nemo Autonomous Probe is part of the Nemo Autonomous solution consisting of Nemo Autonomous Probe 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 available: one with external antennas for the terminals and one without antennas. The Nemo Autonomous Probe's 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.

Learn more at: www.keysight.com

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