Anite

NEMO EXPLORER-1

FLEXIBLE, FUTURE-PROOF AUTOMATED MEASUREMENTS

Nemo Explorer-1 is an ideal solution for performing automated, unattended large-scale measurements. It can be deployed in vehicles and fixed locations. Nemo Explorer-1 houses one Android smartphone for measurements, supporting all 3GPP technologies up to LTE CAT4. With its proven and reliable automation, Nemo Explorer-1 provides you with a cost-effective, continuous stream of up-to-date measurement data from the real-life routes of your customers.

NEMO

NETWORK MEASUREMENTS FOR ALL 3GPP TECHNOLOGIES UP TO CAT4

Nemo Explorer-1 is an autonomous measurement probe 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 Explorer-1 employs an Android Smartphone, equipped with Nemo Handy-A Autonomous SW.

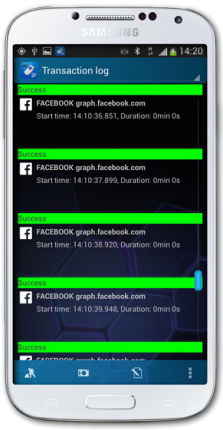
The Nemo Explorer's 4mm aluminum enclosure with sealed lid is splash-proof and provides protection for minor physical impacts and dust. The unit is equipped with automatic power-on for the terminals as well as SW watchdog, ensuring fully unattended operation. Nemo Explorer-1 does not include fans or other moving parts, ensuring the long term reliability of the unit. It also makes the unit silent, and therefore well suited for indoor office installations. The unit has external antenna connectors for GPS, and mobile antennas, ensuring easy and robust installation.

Nemo Explorer-1 supports network measurements for all 3GPP technologies up to LTE CAT4. 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 set by the Nemo Handy-A Autonomous terminal equipped in the Nemo Explorer-1. Terminal development is fast and life cycles are getting shorter all the time. Nemo Handy-A has a track record of rapid adaptation to the latest terminals and technologies. Deployed Nemo Explorer units can be upgraded with the latest Nemo Handy terminals, assuring autonomous testing of the latest technologies in flexible and future-proof way.

Supported terminals

Samsung Galaxy S4 4G+ GT-i9506
GSM 850/900/1800/1900
WCDMA 850/900/1900/2100
HSPA Cat 24 (42.2Mbps) Cat 6 (5.76Mbps)
LTE Cat 4, 800/850/900/1800/2100/2600
Voice call with POLQA voice quality measurements, HTTP, FTP, AGPS, HTML, SMS, ICMP ping testing, and HTML browsing.
System lock, Band lock

Samsung Galaxy S4 SGH-M919 (T-Mobile)
GSM 850/900/1800/1900
WCDMA 850/900/1900/AWS
HSPA Cat 24 (42.2Mbps) Cat 6 (5.76Mbps)
LTE Cat 3, 700/850/1900/AWS/2100/2600
Voice call, HTTP, FTP, AGPS, HTML, SMS, ICMP ping testing, and HTML browsing.
System lock, Band lock

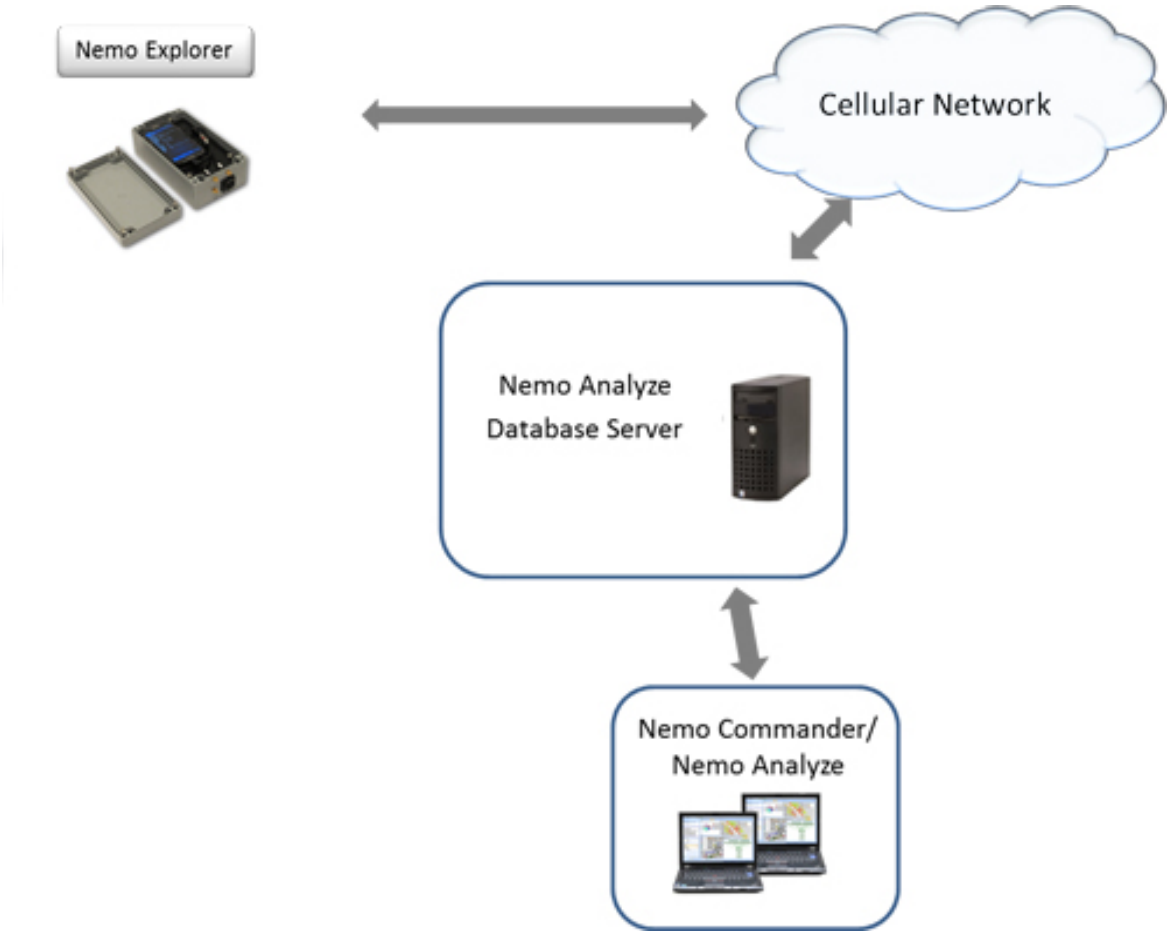


CENTRAL POINT OF CONTROL FOR MULTIPLE MEASUREMENT UNITS

Nemo Commander

Nemo Commander is the central point of control for a fleet of Nemo Explorer units. Each Nemo Handy-A Autonomous terminal can be individually controlled, including near real-time status and location tracking, and measurement configuration.

Logfiles are automatically uploaded to the Nemo Commander. When equipped with Nemo Analyze post-processing functionality, the same tool can be used for the whole chain of measurement process, from configuring and managing the results, to post-processing and reporting of the results.



Specifications

- **Weigth:** 1.8 kg
- **Operating temperature:** -15°C to 40°C
- **Input voltage:** 12V max 3A
- **Enclosure material:** 4 mm aluminium
- **Dimensions:** 401 x 230 x 110 mm
- **GPS input:** SMA
- **Mobile antenna 1 input/output:** SMA
- **Mobile antenna 2 input/output:** SMA