



## Nemos N100 and N110\*

The Nemos N100 is a datalogger conceived as an optimized solution for a common need: the recording of one or two flowmeters in network sectorization applications. The Nemos N100 does that and nothing else. The result of this absolute approach is enormous cost effectiveness, ease of installation and reliability.

Newly released is the Nemos N110, which combines the reliability and robustness of the N100 with an additional inbuilt pressure transducer, enabling holistic monitoring of flow and pressure from a single device, providing you accurate and 24/7 information to monitor, diagnose and balance water demand.

It has the latest technologies in wireless connectivity: Bluetooth for local configuration and diagnosis, and GPRS / 3G and / or NB-IoT for data transmission.

Thanks to its low consumption and the use of high-capacity lithium batteries, a typical autonomy of 5 years is obtained in standard operation. The replacement of batteries and SIM card is easily done by the user without additional tools.



- **Characteristics:**
  - 2 digital inputs for flow meters. (N110 has additional 0-20bar built-in pressure transducer, (also 0-1bar & 0-10bar) )
  - Configuration and diagnostics by Bluetooth.
  - IP68 protection (2m 100 days).
  - High performance detachable antenna.
  - Available in 2G / 3G and NB-IoT versions.
  - Remote firmware update.
  - Easy configuration using configuration software under Windows®, both locally and remotely.
  - Typical autonomy of 5 years (registering 1 or 2 flows every 5 min and transmitting once a day).
  - 5 year warranty.



NEMOS N100



NEMOS N110



Pushfit 8mm hydraulic tube connection

## Technical Specifications:

|                               |   |
|-------------------------------|---|
| Power                         | Lithium Metal Battery Pack 3.7v 14AH                    |
| IP Grade                      | IP68 at 2 meters 100days                                |
| Operating Temperature         | -20C to +75C  |
| GSM Modem                     | u-blox, available in 2G,3G and NB-IoT                   |
| Antenna                       | ½ λ dipole  |
| History Depth                 | >90,000 records   |
| Real time clock               | High accuracy ± 2ppm with automatic NTP synchronization |
| Configuration and diagnostics | Bluetooth 4.0   |
| Cable Length                  | 2 m   |
| Dimensions (without antenna)  | 85x78x180mm   |

|                   |  |
|-------------------|--|
| <b>Nemos N110</b> |  |
| Pressure Sensor   | 1 input x 8mm hydraulic tube 0-20bar (Options 0-1bar, 0-10bar) |
| Sampling Rate     | Low power mode 1Hz   |
|                   | Transient detection mode: Adaptive, upto 128Hz                 |
| Accuracy          | 0.4%   |