

Netilion Smart Systems

Packages for surface water and aquaculture monitoring

Netilion Smart Systems in general

Endress+Hauser's Netilion Smart Systems are packages combining industry-proven measuring instruments with our new IIoT offering. Process values and device diagnostic data are transmitted to a central data hub via edge devices.

This provides the user with a wide variety of applications as well as visualizations, evaluations and functions. Information is transmitted directly to the hub without a control system and is thus accessible to the user from anywhere. The user is therefore always informed about the current status and this means measures can be initiated right in time or even much earlier!

Contact

Please contact your local Endress+Hauser location
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More details on Netilion?



netilion.endress.com



Netilion Smart System The Package

Endress+Hauser's first Smart System package is used to monitor water quality parameters. All necessary components will be provided to you in one single package.

Two standard sets with measuring instruments for measuring the following parameters are available:

- Surface water monitoring:
pH, dissolved oxygen, conductivity and temperature
- Aquaculture monitoring:
pH, dissolved oxygen, ammonium, nitrate and temperature

In addition to the instruments, fittings for installation, cables and mounting materials, an edge device is included. This only has to be connected to the measuring instrument and power supply and the measured values are then automatically transmitted to the user's smartphone via the hub.

In addition to the measured values, NAMUR NE 107 status information are transmitted. They provide information on status of the sensors and whether, for example, maintenance has to be carried out. Depending on the setting, all information can be transmitted in intervals of 5, 15 or 60 minutes.

One single package



Examples: Smart System for ...

- Aquaculture in Salt Water
- Aquaculture in Sweet Water

Netilion Smart System
The Smart Systems app

All transmitted measured values are visualized via the Netilion Smart Systems app. The simple visualization includes geographical overviews, histories and notifications:

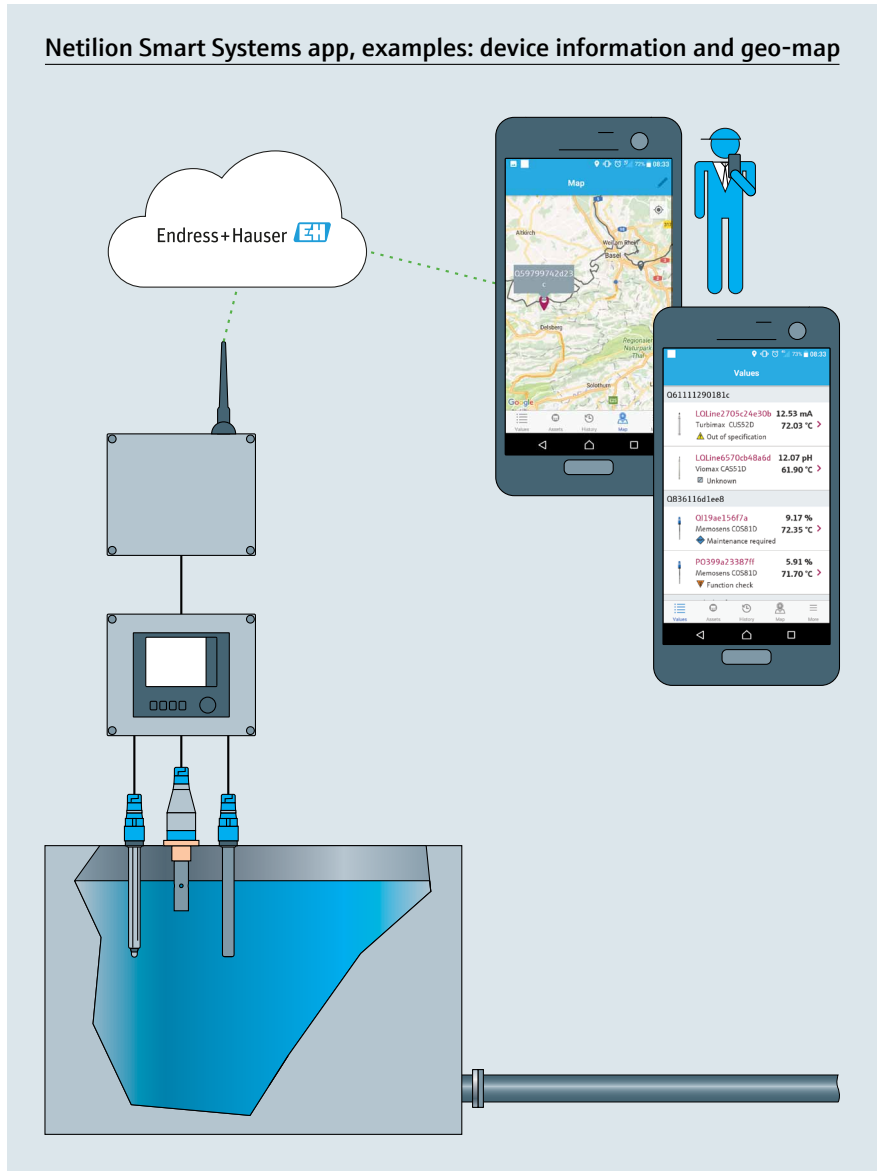
- Device information with picture
- Visualization of measured values
- Display of NAMUR NE 107 status messages
- Definition of limit values with alarms and notifications
- Overview of all accumulated alarms and acknowledgement of messages
- Graphical history of measured values
- Assignment of the measuring points on a map

With this package, users can easily access their measuring points from anywhere and at any time. This means they save manual measurements on site and can react faster in case of deviations!

i **Download the app**
 Search for "Smart Systems"



Netilion Smart Systems app, examples: device information and geo-map



Network topology – from the sensors to the visualizations in the Netilion Smart Systems app

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