



OBSERVATOR
instruments

NEP-5000-LINK Turbidity Handheld

NEP-5000-LINK is a handheld turbidity measurement solution. It consists of a submersible turbidity sensor with integrated wiper, a sensor cable, a Bluetooth module, a charger and an Android app for your mobile phone or tablet.

The app shows the real-time turbidity and water temperature values. Recording of values can be started/stopped with the touch of a fingertip. The GPS location is automatically added to the measurement records. Optionally, you can add one or more photographs. The records can be shared in several ways, including email. Using the app, you can also view graphs of previously recorded data.

The device is extremely easy to operate, using your familiar mobile device. After installing the app from the Google Play Store, the whole instrument will be up and running in a few seconds. The interface is fully intuitive.

Features

- Sensor with integrated automatic wiper.
- 90° Nephelometric (ISO7027) optics.
- Bluetooth module for communication with phone/tablet.
- Auto ranging over three ranges (40, 400, 5000 NTU).
- Extremely stable, even at very low NTU values.
- Measures accurately up to 5000 NTU.
- Rechargeable Li-ion battery (charger included).
- Standard 3 m of cable.
- Free app available in Google Play Store.
- Real-time display of turbidity and temperature.
- Recording of GPS, turbidity and temperature.
- View graphs of previous recordings using the app.
- Export data to the file system of the mobile device.
- Share the measurement data by, for example, email.
- Export data to OMC-Data-Online..
- Backscatter version (for higher NTU values) available on request.

ANALITE



SPECIFICATIONS

The turbidity sensor is built on the well-proven technology of our NEP-5000 range of environmental monitoring sensors. It has the same extreme stability at very low NTU values (of just a few NTU) and supports automatic range switching over three ranges, up to 5000 NTU.

The Bluetooth module contains the rechargeable battery that feeds the Bluetooth module and the sensor. Using a clip, the module can be secured to a ship's railing or to your belt, for example.

By using previously developed NEP-5000 technology, and by using a mobile device as a handheld, the total solution is very low cost. Yet the performance is uncompromised, again thanks to using the NEP-5000 technology.

Typical applications

- Monitoring of streams and rivers
- Monitoring of water storage bodies including stratification studies.
- Intermediate and final effluent treatment monitoring
- Hydrological run off studies
- Ground and bore water analysis
- Drinking water filtration efficiency
- Industrial process monitoring
- Sludge and dredge monitoring
- Sediment load monitoring

Specifications

- Ranges : 40, 400 and 5000 NTU.
- Battery : 3.7 V, 500 mAh.

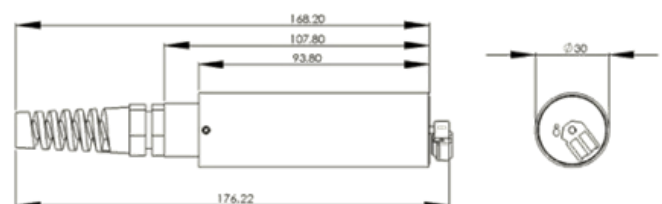


Use any Android device

Charging the BlueTooth module



Intuitive interface of the app



Dimensions



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