



Suitable for long-term turbidity logging

## Datasheet

# Analite NEP-595

## Turbidity logging probe

The Analite NEP-595 turbidity probes can monitor and log turbidity in a sturdy self-contained package that is easy to set up and easy to selectively download the data collected. The NEP-595 is an all-in-one device that contains a configurable SDI-12 data logger and rechargeable battery designed for long-term operation.

The integrated NEP-5000 turbidity probe can be removed for maintenance and calibration.

The system operates at depths up to 50 metres and can be ordered with temperature logging and solar power input as an option.

### Field service ability

Logged data can be retrieved in multiple methods. The system uses dual Secure Digital (SD) cards for data logging, hence user may either swap SD cards in field, or connect an Universal Serial Bus (USB) cable directly to the logger to copy data files directly to a laptop.

Operators may swap batteries in field, in order to run continuous operations without needing to bring the logger back for charging.

### Endurance

When using the battery on its own with the NEP-5000 sensor, the system is capable of logging up to 5 months in 20 minute-intervals or indefinite use when connected with a 20W solar panel.

Operating temperature -5°C (non-freezing) to 50°C  
 Storage temperature -10°C to 55°C

### Field rechargeable, replaceable battery

Built-in Lithium-ion batteries have a capacity of 96Wh which can be charged via simple Direct Current (DC) plug-pack or optional solar input. Thus, providing ideal solution for data-buoys and river monitoring applications.

When the NEP-595 is integrated with the NEP-5000 sensor, the following features can be obtained:

- Simple turbidity and optional temperature reading in auto-range (providing superior functionality to the retired NEP-495).
- Statistical measurement over a set period of time.

### Built-in Observator logger

The NEP-595 contains a purpose-built configurable SDI-12 logger. The logger allows customers to change various operational parameters according to the application needs (e.g. wiping period, measurement sampling time, adding new parameters, etc...).

Easy to use, the Windows application allows customers to define their own functionality with SDI-12 commands, without needing to write complicated scripts.

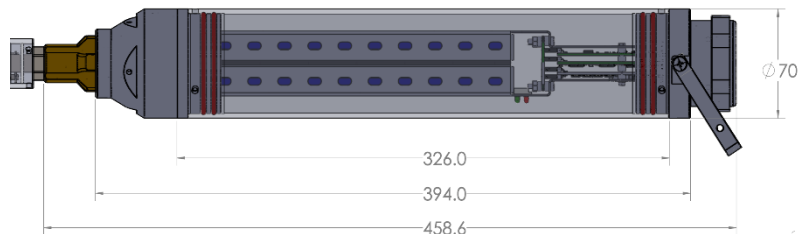
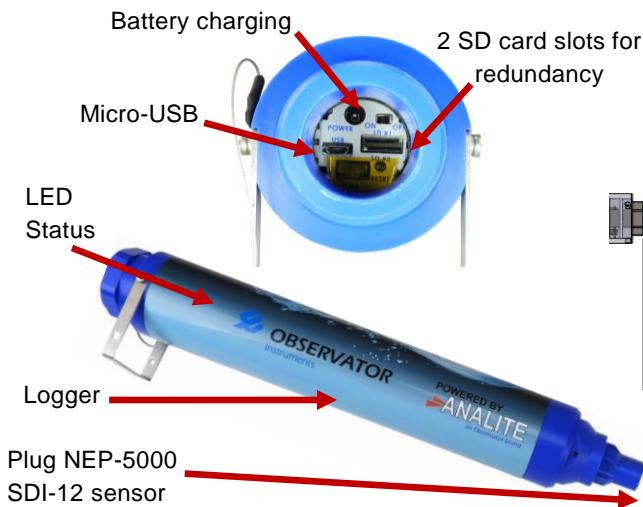
### Construction

Weight 1.7kg – including batteries

Construction Outer tube construction with polycarbonate tube and a structural support using a stainless steel chassis. The probe interface assembly and the rear electrical interface assembly is made from Delrin plastic.

Depth rating 52m (170ft) static water column

Dimensions 458.6mm length – 70mm diameter



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