

# AQUATEL



# AQUAREAD

water monitoring instruments



## Aquatel

### Smart telemetry device designed to simplify setup, lengthen deployment and optimise data management

Aquatel is a carbon fibre telemetry device with a long battery life and modem communications. It features a GPS receiver and a barometric pressure sensor for location and compensation. You can set up the Aquatel remotely using sms commands and request instant readings.

Auto Detect Aquaprobe type and sensor configuration - simply plug in your probe and Aquatel will know the probe type and the fitted optional sensors meaning no complicated customer set up is required, its just plug and play

Built in baro logger for compensations on % saturation of DO and for all level measurements - all compensations are automatic



Choose either lithium or alkaline batteries - 24 month battery life depending on set up



Remote Configuration - every setting can be checked or updated remotely via sms. Send Re, short for readings, to receive a reply showing all of the current sensor readings

Built in GPS receiver to geotag all recorded data and to highlight its position displayed on a map in Inview



## Simple Deployment

- 1) When Aquatel is switched on after a quick initialisation it will begin to connect to the network. As this happens an LED on the top of the device will give an indication of the network signal strength. For example green is a strong signal.
- 2) Once its connected you send Aquatel the sms command to start the GPS detection, you will then receive a reply confirming its GPS location. You have now established that the Aquatel is connected to the mobile network, you know the signal strength and its location.
- 3) The final test is to send the device 'Re' for readings to check that the connected probe is reading correctly. Once these few simple steps are complete your deployment is ready and you can leave the site. Any further settings changes can be adjusted remotely.

View Aquaprobe data online via **inview** by nke



## DATA MONITORING DASHBOARD

Real-time visualisation User-friendly platform

Alarm monitoring Customisable interface

Secure access and data storage Export customised reports

## Aquatel

# Specification

Dimensions (L x Dia)	44mm x 605mm	Sensor compatibility	Aquaprobe version of Aquatel Leveline version of Aquatel
Weight (inc batteries)	1.2kg	Communications	GSM quad band—850, 900, 1800, 1900 MHz [capable of GPRS, SMS, and FTP]; 2G and 4G
Materials	Aluminium and carbon fibre	Data access	Inview, FTP, realtime via SMS
Operating temp & humidity	-20 °C - +70 °C 97% maximum humidity	Geotagging	All logged data geotagged
Rating	IP67 cannot be submerged	Programming	Remote by SMS
Power supply	4 x D cells. Can be Alkaline or Lithium. Optional external 12V *	Alarm capacity	16 unique alarms can be sent to up to 40 stored numbers
Battery life	2 years logging every 15 min upload 1/day probe dependant	Internal sensors	Barometric air pressure Air temperature
Connections	AquaConn connector for Aquaprobe or Aquasonde	Warranty	1 Year
Antennae	SMA connector with stud antenna. Option for external		

\*Connect external power via splitter cable connector, available from Aquaread