



We come from the ocean

Multiparameter sonde and so much more



Underwater instruments



Digital smart sensors
Plug and unplug at will



Up to 20 water parameters
Can be measured by a sonde



Cleaning system
Proven efficiency



Light & Robust
Proven robustness



Long-lasting autonomy
Alkaline batteries



User-friendly interface
Easy to use web embedded interface



WiFi connectivity
Compatible with all platforms



Data precision
High quality standards



Easy to integrate
On buoy / USV / ROV, AUV



3G / 4G solution
And other remote communication





Key features

WiMo
4 locations



WiMo Plus
7 locations



PLUG-IN SMART SENSORS
Installable at any locations
Easy locking screw and water sealing system
Waterproof once locked



EFFICIENT BIOFOULING SYSTEM
Sensor protection cover
Smart wiper cleaning system



AUTOMATIC SENSOR RECOGNITION



MORE THAN 20 PARAMETERS AT A TIME



WIRELESS PROGRAMMING
Intuitive and easy to use web interface



TEMPERATURE AND WAVE/TIDE SONDE
Without any digital sensors



HIGH INTERNAL STORAGE CAPACITY
Flash memory and/or SD card



POINT TO POINT WIFI WITH SWITCH MAGNET ACTIVATION



DEPTH RATING UP TO 250m



RANGE OF AUTONOMOUS COMMUNICATION MODULES



STANDARD MODBUS
RS232 & RS485
User-selectable



USER REPLACEABLE STANDARDS BATTERIES
Alkaline batteries or rechargeable Nimh





PHYSICAL FEATURES	MECHANICAL FEATURES	TRANSMISSION	TEMPERATURE
Dimensions: WiMo w/ sensors: 489 mm WiMo Plus w/ sensors: 499 mm Diameter (WiMo): 85mm Weight in air (WiMo): 2,65 kg	Depth rating: 250 meters Flash memory: 15 Mo 500,000 measures (without ZIP) SD card available on request Battery: Alkaline bateries	WiFi communication Modbus RS232 / RS485 No dedicated software required: the web embedded interface is compatible with all types of platforms	Operating temperature: -2°C / +35°C Storage temperature: -20°C / +50°C

Digital smart sensor suite

NATIVE PARAMETERS	RANGE	ACCURACY	RESOLUTION
Temperature	-2 to +35°C	±0.7°C	0.05°C
Water Pressure	0 to 25 bars	0.15%	0.001 bar

SENSOR	RANGE	ACCURACY	RESOLUTION
Conductivity (C)	0 to 100 mS/cm	±0.5% of reading	0.001 mS/cm
Temperature	-2 to +35°C -2 to +50°C (in option)	±0.02°C ±0.05°C	0.001°C 0.001°C
Turbidity (Tbd)	0 to 4000 NTU	0.4 NTU or ±5% of reading	0.01 NTU
Oxygen concentration	0—23 mg/L	±0.1 mg/L	0.025 mg/L
Oxygen saturation	0—250%	±1% of reading	0.25%
pH	0—14 pH units	±0.1 pH unit	0.01 pH unit
Fluorescence (Fluo) Chl-a Chlorophyll A	0 to 500 µg/L	Linearity: r ² > 0.99	0.03 µg/L
Fluorescence (Fluo) PC Phycocyanin	0 to 4500 ppb	Linearity: r ² > 0.99	2 ppb
Fluorescence (Fluo) PE Phycoerythrin	0 to 750 ppb	Linearity: r ² > 0.99	0.1 ppb
CDOM fDOM	0 to 1000 ppb 0 to 3000 ppb	Linearity: r ² > 0.99	0.1 ppb 0.5 ppb
CALCULATED PARAMETERS	RANGE	ACCURACY	RESOLUTION
Chloride	0 to 18000 mg/L-Cl	±15% of reading or ±5 mg/L-Cl	0.01 mg/L
Depth	0 to 250 m	0.15% FS	0.001 m
Salinity	2—42 PSU	0.1 PSU or 1% of reading	< 0.001
Sound velocity	1300—1700 m/s	0.001 m/s	Not specified
Specific conductivity	0 to 100 mS/cm	±0.5% of reading	0.001, 0.01, 0.1 mS/cm
Total dissolved solids	0 to 100,000 mg/L	Variable	Not specified

*Real smart interchangeable sensors: each sensor is calibrated independently



Underwater instruments



Versatility and ease of use

Sea environment monitoring

Fresh water application and profiles recording



Integrable on any platforms



Operational user-friendly configuration interface



The web embedded configuration interface is compatible with all types of platforms



Sales department

Tel : +33 (0)2 97 36 41 31 - Fax : +33 (0)2 97 36 55 17

info.instrumentation@nke.fr

