

WiMo

MULTIPARAMETER
SONDE
AND MUCH MORE



nke
INSTRUMENTATION

WiMo PROBE

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



AUTOMATIC SENSOR RECOGNITION



WIRELESS PROGRAMMING

Intuitive and easy to use
web interface



HIGH INTERNAL STORAGE CAPACITY



DEPTH RATING UP TO 250m



STANDARD MODBUS

RS232 & RS485
User-selectable



EFFICIENT BIOFOULING SYSTEM

Sensor protection cover
Smart wiper cleaning
system



MORE THAN 20 PARAMETERS AT A TIME



TEMPERATURE AND PRESSURE SONDE

Without any digital sensors



POINT TO POINT WIFI WITH SWITCH MAGNET ACTIVATION



RANGE OF AUTONOMOUS COMMUNICATION MODULES



USER REPLACEABLE STANDARDS BATTERIES

Alkaline batteries
or rechargeable Nimh



TRANSMISSION MODULE



The 3G/4G modem allows the WiMo multiparameter probe to transmit its data using deployed 3G/4G interface.

WIMO CALIBRATION TOOL

















The USB tool allows to connect a WiMo digital sensor to a computer to calibrate the sensor independently.
Works with the « WiMo Calibration Tool » dedicated software,







SPECIFICATIONS

PHYSICAL FEATURES	MECHANICAL FEATURES	TRANSMISSION	TEMPERATURE
Dimensions WiMo w/sensors 489 mm WiMo Plus w/sensors 499 mm Diameter 85mm Weight in air 2,65 kg	Depth rating 250 meters Flash memory 15 Mo 500,000 measures* Battery Alkaline batteries	WiFi communication Modbus RS232 / RS485 3G / 4G solution No dedicated software required (web embedded interface is compatible with all types of platforms)	Operating temperature -2 °C / +50 °C Storage temperature -20 °C / +70 °C

*without ZIP - SD card available on request

DIGITAL SMART SENSOR SUITE

NATIVE PARAMETERS	RANGE	ACCURACY	RESOLUTION
 Temperature	-2 to +35°C	±0.7°C	0.05°C
 Pressure	0 to 25 bars	0.15%	0.001 bar
SENSORS	RANGE	ACCURACY	RESOLUTION
 Conductivity (C)	0 to 100 mS/cm	25 µS or 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
 Turbidity (Tbd)	0 to 4000 NTU ¹	0.4 NTU ¹ or ±5% of reading	0.01 NTU
 Oxygen concentration	0–23 mg/L (max. 0-44mg/L)	±0.1 mg/L	0.025 mg/L
 Oxygen saturation	0–250% (max. 0-500%)	±1% of reading	0.25%
 Fluorescence (Fluo) Chlorophyll A	0 to 500 ppb**	Linearity: r ² > 0,99 for Rhodamine WT	0,03 ppb**
 Fluorescence (Fluo) Phycocyanin	0 to 4500 ppb**	Linearity: r ² > 0,99 for Rhodamine WT	0,1 ppb**
 Fluorescence (Fluo) Phycoerythrin	0 to 750 ppb**	Linearity: r ² > 0,99 for Rhodamine WT	0,1 ppb**
 CDOM fDOM	0 to 1500 ppb QSE*** 0 to 3000 ppb QSE***	Linearity: r ² > 0,99 QSE	0,1 ppb QSE 0,5 ppb QSE
 Redox/ORP²	-1999 to +1999 mV	±20 mV	0.1 mV
 pH³	0–14 pH units	±0.1 pH unit	0.01 pH unit
 Nitrate⁴	0 to 300 mg/L-N	10% of reading or 2mg/L	0.001 to 1 mg/L-N
 Crude Oil****	0 to 1500 ppb	Linearity: r ² > 0,99	0.2 ppb

CALCULATED PARAMS	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	25 µS or 0.5% of reading	0.001 mS/cm
 Total Dissolved Solids	0 to 100,000 mg/L	Variable	Not specified

*Real smart interchangeable sensors: each sensor is calibrated independently

¹ Calibrated with Formazine (FTU)

² Redox/ORP sensor maximum depth: 15 meters

³ pH sensor maximum depth: 50 meters

⁴ Nitrate sensor: only for fresh water

**Equivalent µg/L

***Quinine Sulfate

****PTSA

WEB EMBEDDED INTERFACE

The operational user-friendly configuration interface is compatible with all types of platforms.



APPLICATION FLEXIBILITY

Sea environment
MONITORING

Fresh water
applications and profiles
RECORDING

INTEGRABLE
on any platforms

inview

bynke



DATA MONITORING DASHBOARD

Real-time visualization



User-friendly platform

Alarm monitoring



Customizable interface

Secure access and data storage



Export customized reports

WiMo SOLUTION



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