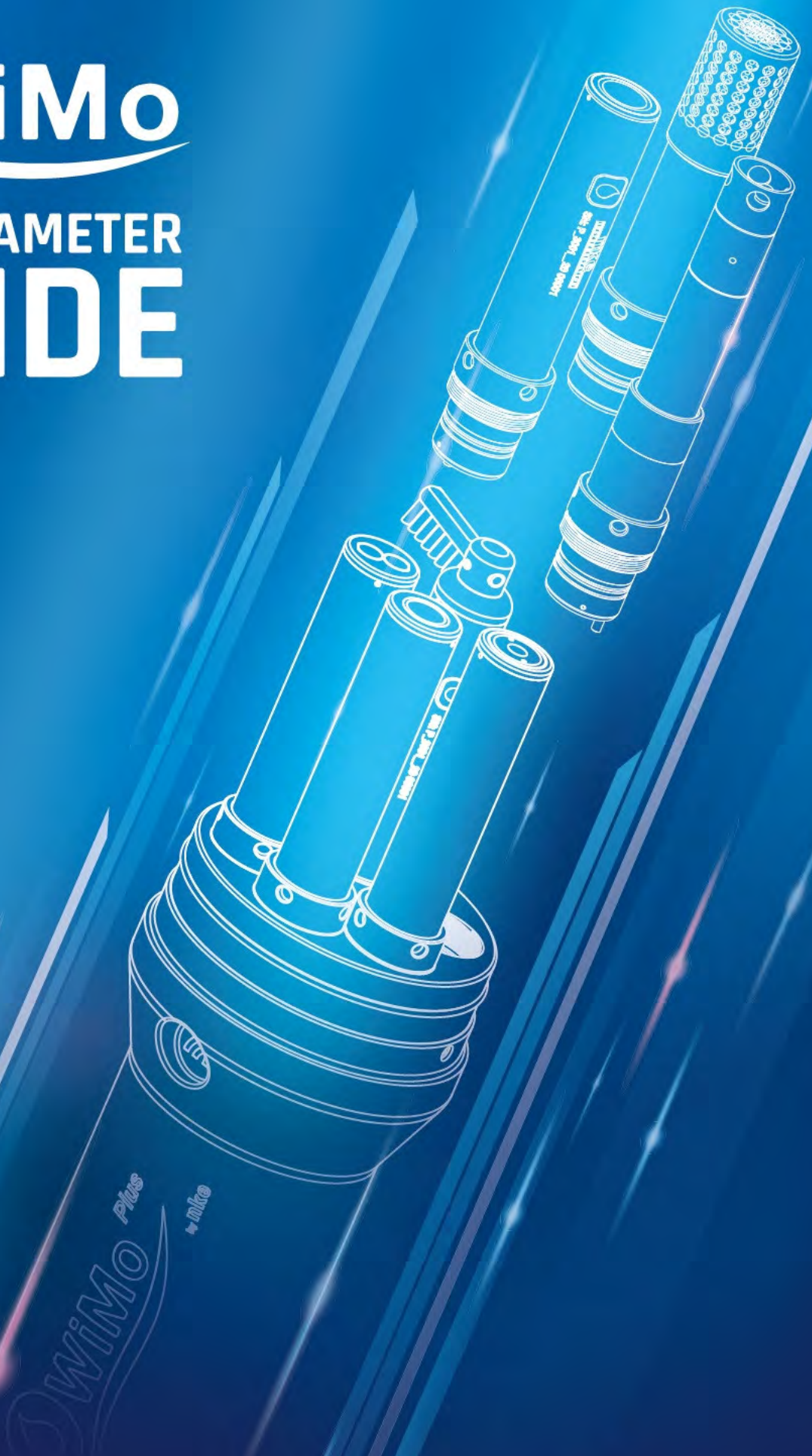


WiMo

MULTIPARAMETER
SONDE



nke
INSTRUMENTATION

WiMo SONDE

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 PRESSURE SONDE

Without any digital sensors



HIGH INTERNAL STORAGE CAPACITY



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



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 85 mm & 110 mm Weight in air 2,65 kg & 3,05 kg	Depth rating 50/250 meters Flash memory 16 MB 500.000 measures* Battery 6 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

*with ZIP - SD card available on request

DIGITAL SMART SENSOR SUITE¹

NATIVE PARAMETERS	RANGE	ACCURACY	RESOLUTION
Temperature	-2 to +35°C	±0.2°C (option)	0.05°C
Pressure	0 to 1 (option)/3/10/25 bar(s)	±0.1%	0.001 bar
SENSORS	RANGE	ACCURACY	RESOLUTION
Conductivity (C)	0 to 10 mS/cm 0 to 100 mS/cm	5 µS or 0.5% of reading 25 µS or 0.5% of reading	1 µS/cm 1 µS/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 ⁵	0.4 NTU 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%
Temperature	0°C to +35°C	±0.1°C	0.01°C
Fluorescence (Fluo) Chlorophyll A	0 to 500 ppb ²	Linearity: $r^2 > 0.99$ for Rhodamine WT	0.03 ppb
Fluorescence (Fluo) Phycocyanin	0 to 4500 ppb ²	Linearity: $r^2 > 0.99$ for Rhodamine WT	0.1 ppb
Fluorescence (Fluo) Phycoerythrin	0 to 750 ppb ²	Linearity: $r^2 > 0.99$ for Rhodamine WT	0.1 ppb
CDOM fDOM	0 to 1500 ppb QSE ³	Linearity: $r^2 > 0.99$ QSE	0.1 ppb QSE
Crude oil	0 to 1500 ppb ⁴	Linearity: $r^2 > 0.99$	0.2 ppb
pH⁷	0-14 pH units	±0.1 pH unit	0.01 pH unit
Redox/DRP⁶	-1999 to +1999 mV	±20 mV	0.1 mV
Nitrate⁸	0 to 300 mg/L-N	10% of reading or 2mg/L	0.001 to 1 mg/L-N
Ammonium	0 - 200 ppm	10% of reading or 2mg/L	0.1 to 1 ppm ⁹
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 10 (option)/30/100/250 m	0.1% FS	0.01 m
Salinity	0-70 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 10 mS/cm 0 to 100 mS/cm	5 µS or 0.5% of reading 25 µS or 0.5% of reading	1 µS/cm 1 µS/cm
Total Dissolved Solids	0 to 10,000 mg/L 0 to 100,000 mg/L	Variable	Not specified

¹ Real smart interchangeable sensors: each sensor is calibrated independently

² Equivalent µg/L

³ Quinine sulfate

⁴ PTSA

⁵ Calibrated with Formazine (FNU)

⁶ Redox/DRP sensor maximum depth: 15 meters

⁷ pH sensor maximum depth: 50 meters

⁸ Nitrate sensor : only for fresh water

⁹ for high-concentration

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

inoview bynke



DATA MONITORING DASHBOARD

Real-time visualization



User-friendly platform

Alarm monitoring



Customizable interface

Secure access and data storage



Export customized reports

WiMo SOLUTION



SALES DEPARTMENT

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