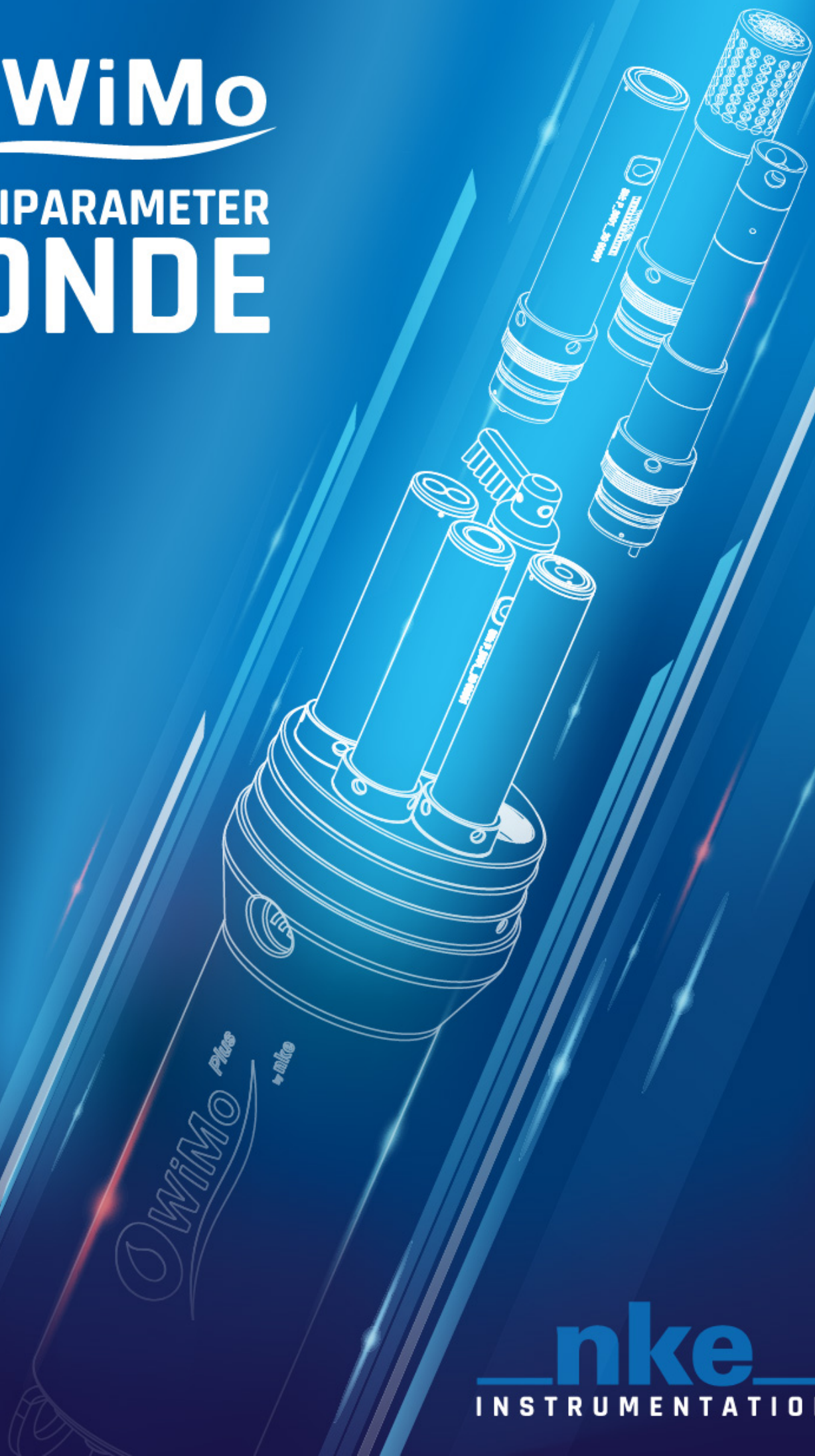




MULTIPARAMETER SONDE



nke
INSTRUMENTATION

WiMo SONDE

WiMo
4 sockets



WiMo Plus
7 sockets



PLUG AND PLAY SMART SENSORS

Can be installed on any sockets
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 INC.



POINT TO POINT WIFI WITH SWITCH MAGNET ACTIVATION



MULTI-PLATFORM COMMUNICATION



USER REPLACEABLE STANDARD 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 with guard 560 mm WiMo Plus with guard 580 mm Diameter 85 mm & 110 mm Weight in air 2.65 kg & 3.05 kg	Maximum depth 250 meters Flash memory 16 MB Up to 2 millions measures* Battery 6 Alkaline batteries D-Type	Wi-Fi communication Modbus RS232 / RS485 (embedded web interface compatible with all types of plaforms) 3G / 4G (with transmission module)	Operating temperature -5 °C / +50 °C Storage temperature -20 °C / +70 °C

*with ZIP

DIGITAL SMART SENSOR SUITE¹

NATIVE PARAMETERS	RANGE	ACCURACY	RESOLUTION
 Temperature	-2 °C to +35 °C	±0.2 °C (option)	0.05 °C
 Pressure	0 to 1 (option)/3/10/25 bar(s)	±0.1%	0.0002 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 °C to +35 °C -5 °C to +50 °C (in option)	±0.02 °C ±0.05 °C	0.001 °C 0.001 °C
 Turbidity (Tbd)	0 to 4 000 NTU ⁵	±2% between 0 and 999 NTU ±5% between 1000 and 4 000 NTU	0.01 NTU
 Oxygen concentration	0–23 mg/L (max. 0-44 mg/L)	±0.1 mg/L	0.01 mg/L
 Oxygen saturation	0–250% (max. 0-500%)	±1% of reading	0.1%
 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 450/0 to 4 500 ppb ²	Linearity: $r^2 > 0.99$ for Rhodamine WT	0.1 ppb
 Fluorescence (Fluo) Phycoerythrin	0 to 75/0 to 750 ppb ²	Linearity: $r^2 > 0.99$ for Rhodamine WT	0.1 ppb
 CDOM fDOM	0 to 150/0 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
 Refined fuel	0 to 2 350 ppb ¹⁰	Linearity: $r^2 > 0.99$	0.2 ppb
 pH ⁷	0–14 pH units	±0.1 pH unit	0.01 pH unit
 Redox/ORP ⁶	-1999 to +1999 mV	±20 mV	0.1 mV
 Nitrate ⁶⁻⁸	0 to 300 ppm	10% of reading or 2 ppm	0.01 to 1 ppm
 Ammonium ⁶⁻⁸	0 – 200 ppm	10% of reading or 2 ppm	0.01 to 1 ppm ⁹
 Chloride	2 to 250 mg/l	10% of reading or 2 mg/L	0,001 to 1 mg/L-N

Recommended calibration duration of all sensors*: 1 year, except for pH (3 months) and ISE (6 months) when used in freshwater.

*Based on a standard usage

CALCULATED PARAMS	RANGE	ACCURACY	RESOLUTION
 Chloride	0 to 18 000 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	<±5%	1 mg/L 10 mg/L

Technical data subject to change.

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 Max. depth: 15m

⁷ Max. depth: 50m at fixed point, 100m in profile (max. 30 min)

⁸ Only for fresh water

⁹ For high-concentration

¹⁰ NDSA

EMBEDDED WEB 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



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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