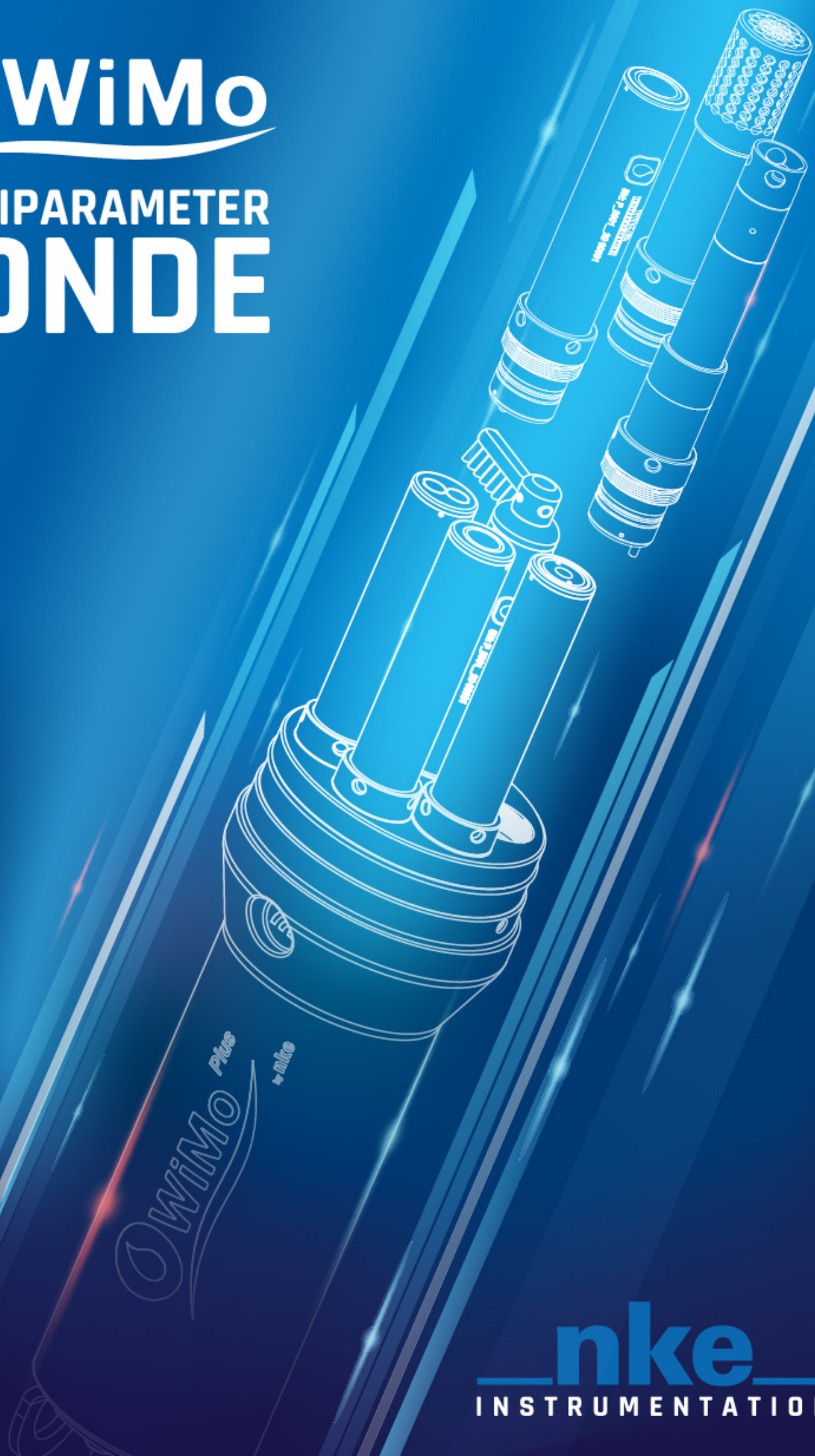




MULTIPARAMETER SONDE



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 (embedded web interface compatible with all types of plaforms) Modbus RS232 / RS485 3G / 4G (with transmission module)	Operating temperature -5 °C / +50 °C Storage temperature -20 °C / +70 °C

DIGITAL SMART SENSOR SUITE ¹

*with ZIP

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 1,000 and 4000 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 1,500 ppb QSE ³	Linearity: r ² > 0.99 QSE	0.1 ppb QSE
Crude oil	0 to 1,500 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	-1,999 to +1,999 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 – 300 ppm	10% of reading or 2 ppm	0.001 to 1 ppm ⁹
Chloride	2 to 35,000 ppm	10% of reading or 2 mg/L	0.001 to 1 mg/L-N

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

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	1,300–1,700 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
Total Suspended Solids ¹¹	0 to 24,000 mg/l	±2.4 mg/l	0.01 mg/L

Technical data subject to change.

¹Real smart interchangeable sensors: each sensor is calibrated independently

²Equivalent µg/L

³Quinine sulfate

⁴PTSA

⁵Calibrated with Formazine (FNU)

⁶Max. depth: 15m

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

⁸Only for fresh water

⁹For high-concentration

¹⁰NDSA

¹¹Using the default site-specific correlation factor

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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