

inview
bynke



DATA MONITORING DASHBOARD

Real-time visualization  User-friendly platform 

Alarm monitoring  Customizable interface 

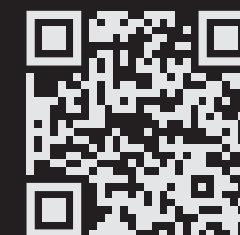
Secure access and data storage  Export customized reports 

WiMo
SOLUTION

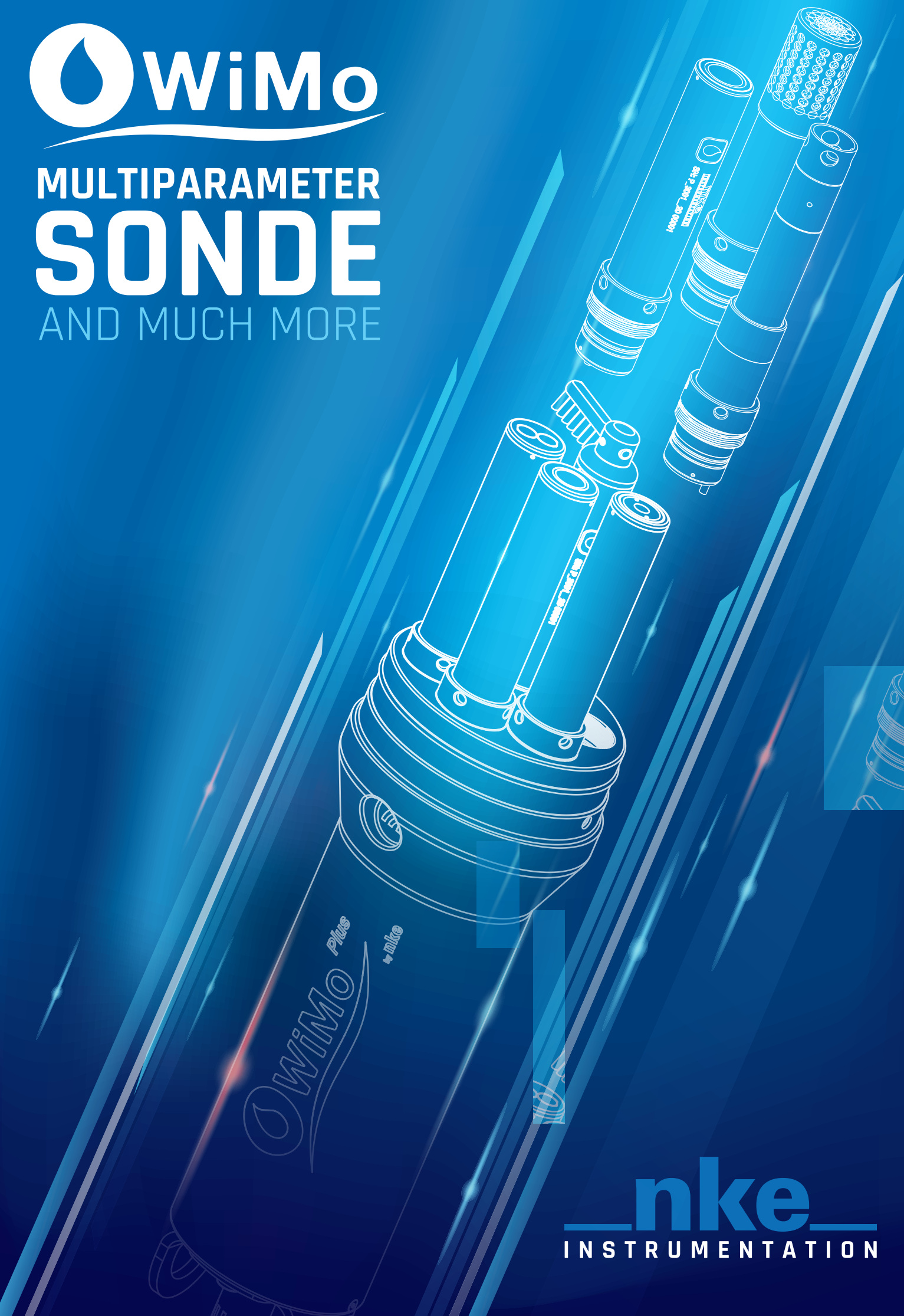


SALES DEPARTMENT

+33 (0)297 36 41 31
+33 (0)297 36 55 17
info.instrumentation@nke.fr



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
¹Calibrated with Formazine (FTU)
²Redox/ORP sensor maximum depth: 15 meters
³pH 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



INTEGRABLE
on any platforms