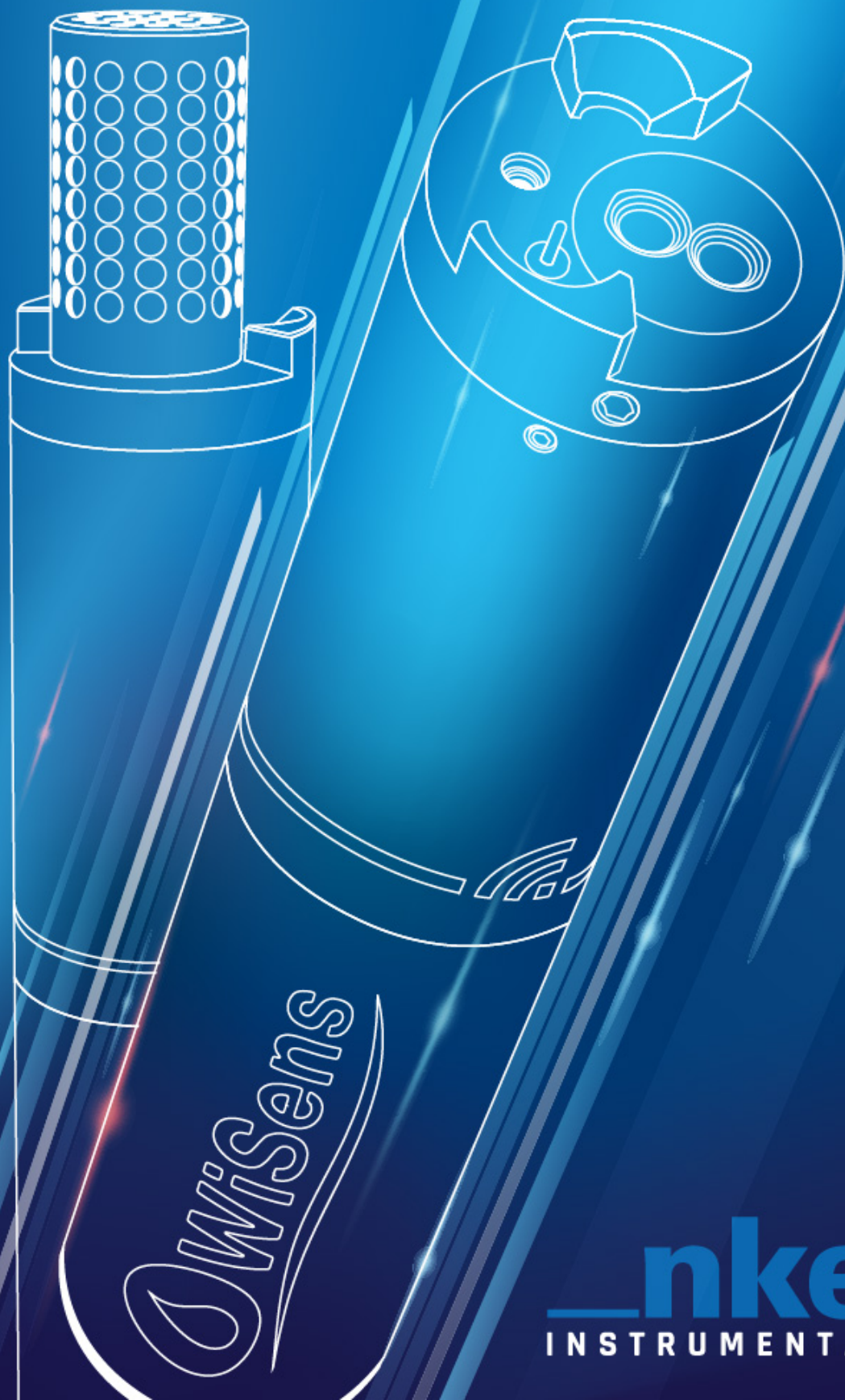




UNDERWATER DATA LOGGERS



nke
INSTRUMENTATION

WiSens[®] RANGE

WiSens
WAVE

For tide,
waves
and
temperature.

30m

300m

WiSens
CTD

For conductivity,
temperature
and depth,
down to 300m.
Salinity and
sound velocity
are calculated.

WiSens
TBD

For turbidity,
temperature
and depth,
down to 300m.
Optional external automated
wiper brush.

1000m

WiSens
DO

For oxygen
concentration
and oxygen
saturation
down to 1000m.

WiSens
CHLORO A

For
chlorophyll-a
**down to
1000m.**

WiSens
TD

For temperature
and pressure,
down to 6000m.

6000m

TECHNICAL FEATURES

Time	Internal clock with calendar	< 1mn/month
Start and Stop Mode	Manual or programmable	Pressure or temperature level trigger, date condition
Sampling Rate	TD / CTD / TBD / FLUO / DO Wave Tide	Programmable from 1 second to 99 hours From 1 Hz up to 16 Hz (sample number: from 512 to 32768) From 1 Hz up to 16 Hz (typical average duration from 1mn to 1h)
Autonomy	Memory Energy	16 Mb (=3 millions measures) Replaceable lithium batteries
Data	CSV / ZIP	
Communication	Wi-Fi	Magnetic activation

PHYSICAL FEATURES

TYPE	DIMENSIONS	WEIGHT IN AIR	APPROXIMATE WEIGHT IN WATER
WiSens TD 30 / 300 / 1000m	220 mm x Ø 45 mm	287g	51g
WiSens Wave	220 mm x Ø 45 mm	267g	51g
WiSens CTD	320 mm x Ø 45 mm	320g	A few grams
WiSens Chloro A	220 mm x Ø 45 mm	283g	51g
WiSens DO	220 mm x Ø 45 mm	295g	51g
WiSens TBD	220 mm x Ø 45 mm	420g	51g
Protection TD / Chloro A / DO / TBD	230 mm x Ø 94 mm	760g	A few grams
Protection CTD	275 mm x Ø 94 mm	868g	64g

WATER PARAMETERS

	DEPTH	TEMPERATURE	TURBIDITY	CONDUCTIVITY	SALINITY	SOUND VELOCITY*	O2 CONCENTRATION	O2 SATURATION	CHLOROPHYLL-A
WiSens TD	30/300/1000m Accuracy: 0.1% 6000m Accuracy: 0.1%	Range: -2°C to +35°C Accuracy: 0.02°C							
WiSens Wave	30m Accuracy: 0.1%	Range: -2°C to +35°C Accuracy : 0.02°C							
WiSens CTD freshwater	30m Accuracy: 0.1%	Range: -2°C to +35°C Accuracy: 0.02°C		Range: 0-10 mS/cm Accuracy : 10 µS/cm					
WiSens CTD seawater	30m / 300m Accuracy: 0.1%	Range: -2°C to +35°C Accuracy: 0.02°C		Range: 0-10 mS/cm Accuracy : 10 µS/cm	Range: 2-42 PSU Accuracy: 0.1 PSU	Range: 1300-1700 m/s Accuracy: 0.001 m/s			
WiSens Chloro A	30/300/1000m Accuracy: 0.1%	Range: -2°C to +35°C Accuracy: 0.02°C							Range: 0-500ppb** Accuracy: Linearity: r ² >0.99 for Rhodamine WT
WiSens DO	30/300/1000m Accuracy: 0.1%	Range: -2°C to +35°C Accuracy: 0.02°C					Range: 0-23 mg/L (max.0-44 mg/L) Accuracy: ± 0.1 mg/L	Range: 0-250% (max. 0-500%) Accuracy: ± 1% of reading	
WiSens TBD	30/300m Accuracy: 0.1%	Range: -2°C to +35°C Accuracy: 0.02°C	Range: 0-4000 FNU Accuracy: 0.4 FNU or 5% of reading						

*calculation based on Unesco Technical Papers in Marine Science 44, 55 pp.

**equivalent µg/L

WEB EMBEDDED INTERFACE

JUST ACTIVATE WIFI & TRANSFER WISENS DATA



WISENS ACCESSORIES

MOORING CLAMP



FISHING GEAR PROTECTION



WIFI MAGNET



MULTI-APPLICATION LOGGERS



marine
SUBMERGENCE



environmental
MONITORING



deep
SEA



fishing
ACTIVITIES

**The most flexible underwater dataloggers range
on the market fitting all your applications**

WiHub SOLUTION



WiHub

The end-user retrieves automatically the data from the WiHub via his communication facility:
3G/4G, Ethernet or WiFi.

When WiSens loggers are out of the water, they transfer automatically their data to the WiHub. The WiHub will send those data and its location to its web interface, or through email or FTP to your own solution.

Power supply: 9-27 V DC

Storage temp: -20°C to +70°C

Positioning: GNSS

Operating temp: -20°C to +50°C

Watertightness: IP67

Protocols: FTP/SMTP/http

4 customer application



FISHING ENVIRONMENT

transmission 3

data reception 2

1 data measurements and recording

4 ethernet

3G
4G

ENVIRONMENTAL MONITORING

3

2

1

4 reception of recorded data

wifi

3G
4G

SALES DEPARTMENT

+33 (0)2 97 36 11 81
info.instrumentation@nke.fr



INNOVATION & COMMITMENT
nke is a member of French Fab and committed to the French industry of tomorrow.

