

 **WiSens**

**UNDERWATER
DATA LOGGERS**



WiSens

nke
INSTRUMENTATION

WiSens RANGE

50m



WiSens
WAVE



WiSens
T

For tide,
waves
and
temperature.

300m

WiSens
CTD/S/V



WiSens
TBD

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

For turbidity,
temperature
and depth,
down to 500m.

Optional external automated
wiper brush.



WiSens
DO

For
temperature,
down to 300m.



WiSens
CHLORO A

For oxygen
concentration
and oxygen
saturation
down to 500m.

For
chlorophyll-a
**down to
500m.**

500m

WiSens
TD

For temperature
and pressure,
down to 6000m.



WiSens
T6000

For temperature
with remote sensor,
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 / CTDSV / TBD / T / T6000 / 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

WiSens T / TD / Wave	240 mm x Ø 40 mm	320g
WiSens TD6000	260 mm x Ø 40 mm	680g
WiSens CTD/S/V	320 mm x Ø 40 mm	435g
WiSens TBD	315 mm x Ø 40 mm	420g
WiSens T6000	400 mm x Ø 40 mm	680g
WiSens Chloro A / DO	220 mm x Ø 45 mm	380g

WATER PARAMETERS

	DEPTH	TEMPERATURE	TURBIDITY	CONDUCTIVITY	SALINITY	SOUND VELOCITY*	O2 CONCENTRATION	O2 SATURATION	CHLOROPHYLL-A
WiSens T	Max: 300 m	Range: -2°C to +35°C Accuracy: 0.005°C							
WiSens T6000	Max: 6000m	Range: -2°C to +35°C Accuracy: 0.005°C							
WiSens TD	50m/500m/1000m Accuracy: 0.15% 6000m Accuracy: 0.3%	Range: -2°C to +35°C Accuracy: 0.005°C							
WiSens Wave	50 m Resolution: 0.002% Accuracy: 0.15%	Range: -2°C to +35°C Accuracy : 0.005°C							
WiSens CTDS/V	50m / 300 m Accuracy: 0.15%	Range: -2°C to +35°C Accuracy: 0.005°C		Range: 0-70 mS/cm Accuracy: 0.05 mS/cm	Range: 2-42 PSU Accuracy: 0.1 PSU	Range: 1300-1700 m/s Accuracy: 0.001 m/s			
WiSens CTD	20m Accuracy: 0.15%	Range: -2°C to +35°C Accuracy: 0.005°C		Range: 0-10 mS/cm Accuracy : 10 µS/cm					
WiSens TBD	50m / 500m Accuracy: 0.15%	Range: -2°C to +35°C Accuracy: 0.005°C	Range: 0-4000 FNU Accuracy: 0,4 FNU or 5% of reading						
WiSens DO	500 m 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 Chloro A	500 m 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

*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

FIXATIVE CLAMP



FISHING GEAR PROTECTION



WIFI MAGNET



MULTI-APPLICATION LOGGERS



marine
SUBMERGENCE

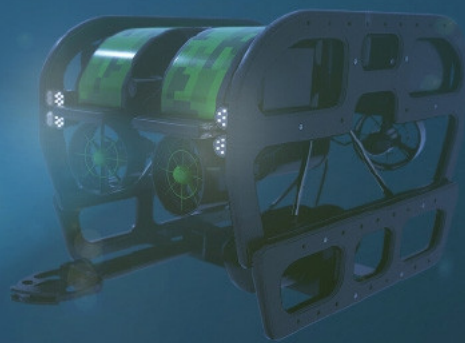


environmental
MONITORING



fishing
ACTIVITIES

deep
SEA



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. It will send those data 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

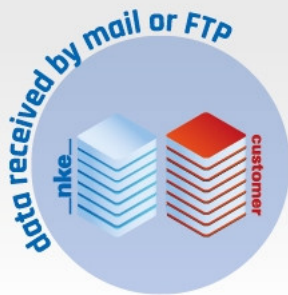
Protocols: FTP/SMTP/http

Operating temp: -20°C to +50°C

Watertightness: IP67

Compatible with all WiSens generations.

4 customer application



FISHING ENVIRONMENT

transmission **3**

data reception **2**

1 data measurements and recording

4 ethernet

3G
4G

ENVIRONMENTAL MONITORING

4 reception of recorded data

wifi

3

2

1

3G
4G

SALES DEPARTMENT

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

