

NetSenz

DATA SHEET

Derive more **accurate fishing effort data** than ever before.

NetSenz is a wireless sensor mounted directly on the fishing net, allowing an FMC to track and monitor fishing activities with this particular net.

NetSenz sensor transmits precise data back to the FMC, granting them a detailed overview of fishing effort related to the tagged net.

Moreover, NetSenz has a unique feature not only to detect exact positions and time of start and end of the fishing session but also to record the exact time-depth profile that the net passed. Depth profile can be accurate to a meter and logged in a minute or even shorter intervals. The data are collected wirelessly with a Wireless gate (BlueSenz WG) and transferred to FMC by BlueTraker terminal.

Mechanical installation is easy and can be performed by fishermen. BlueSenz sensor is secured with two rope clamps on the headline or footrope of the net – depending on the type of fishing net. Clamps have integrated manipulation evident seals to assure the integrity of the sensor on the net.

NetSenz sensor is suitable to monitor pelagic and benthic fishing activities on the various trawl, purse-seine, and gillnet nets.



NetSenz is a part of
BlueSenz family.

NetSenz Technical Specification

Part dimensions	
NetSenz (L x W x H):	110 x 110 x 182 mm
Weight	
NetSenz:	840 g
Environmental	
Operating temp. range:	-20°C -> +60°C
Storage temp. range:	-25°C -> +70°C
Operating depth:	up to 300 m
Maximum depth:	500 m
Lifetime is limited to:	2 years
RF	
RF band:	868 MHz ISM
Max. Transmit. Power:	0,025 W
Installation	
On headline or footrope with diameter up to 50 mm	

NetSenz **collects data of complete fishing activity** (from fishing net deployment to fishing net haulage) **at predefined intervals** (or upon each immersion depth change). Data collected by NetSenz includes:

- Fishing Gear ID
- Gear down time, latitude, longitude, and sea temperature
- Immersion depth, time, latitude, longitude, and sea temperature profile table
- Maximum depth with time, latitude, longitude, and sea temperature
- Total immersion time
- Gear up time, latitude, longitude, and sea temperature

