NOTUS

SM | NOTUS SYSTEM

# SEINEMASTER

The Notus Seinemaster is a wireless seine monitoring system. Its design is based on more than 25 years of experience. Notus has worked closely with customers to offer sensors that provide reliable, real time data and convenience of use. With our unique and reliable Activ-Omni Intelligence, Notus is the only net monitoring system to boast two-way communication, offering a complete view of the seine as it is being set and pursed, AND true omnidirectional capabilities, providing sensor data when it's needed most. The Notus Seinemaster provides optimal performance, for superior results.

# Activ-Omni Intelligence

## *The Notus Difference*

Notus sensors boast an active, **two-way communication system,** not offered by other net monitoring systems. Instead of relying on traditional one-way pingers, Notus systems 'talk' to each other via proven two-way protocols. Using this reliable technology, Notus is the ONLY system capable of providing a complete view of the seine as it is being set and pursed. Depth of footgear and the distance from the vessel, combined, is information that is critical for deciding when to purse, and Notus is the only system that provides distance.

Variable data rates:
5, 10, 20 and 60 second intervals

Notus is the only system to offer **true, omnidirectional pattern beams** in all of our net monitoring sensors. This proves to be vital when fishing in less than ideal conditions, when information is needed most.

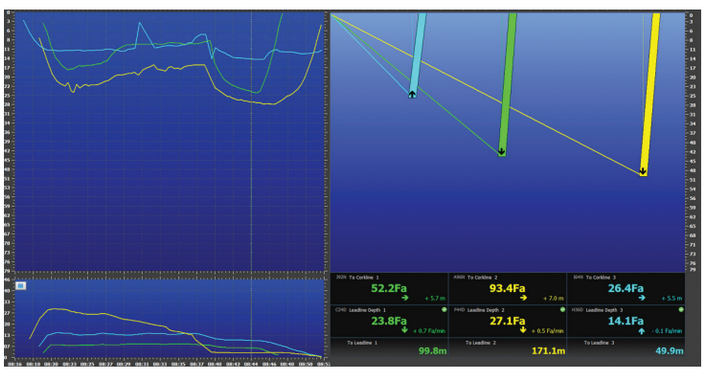
With Notus Activ-Omni Intelligence, achieve optimal performance, for superior results.

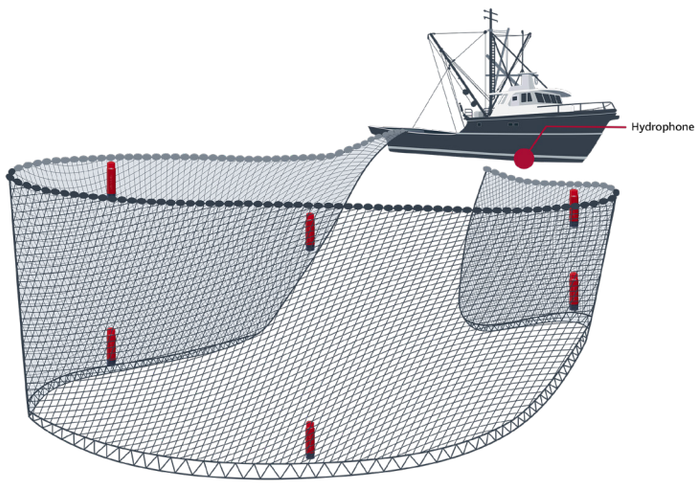
# SEINEMASTER

**The Seinemaster provides answers by attaching small, robust sensors to the seine. All information is transmitted to the vessel wirelessly.**

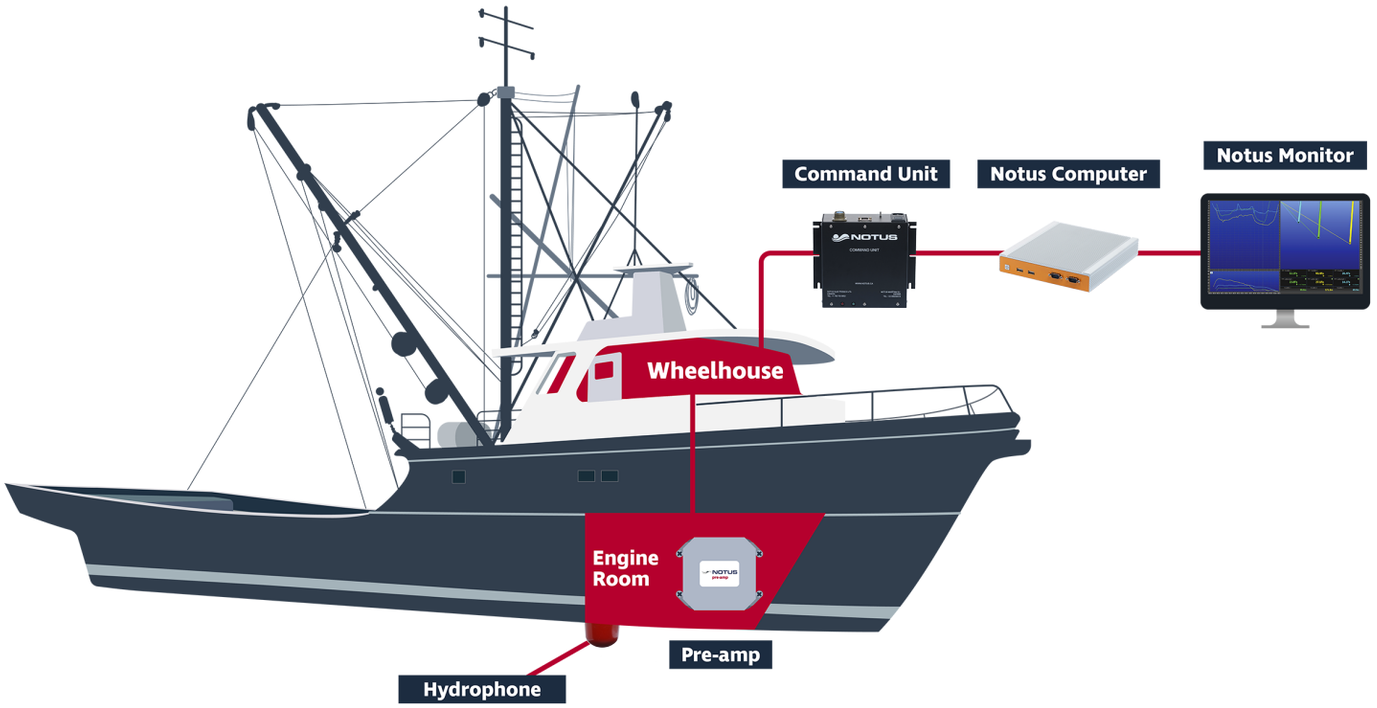
Sensors are installed just below the corkline and on the leadline. Just one sensor on the leadline provides depth of the seine, sink rate and range to the leadline. Up to three sensors can be added to the leadline.
Alignment sensors can also be installed just below the corkline. These sensors calculate the alignment of the corkline with the leadline. This information is invaluable to ensuring fish do not escape.
A system consists of shipboard equipment (command unit, computer and hydrophone) that communicate wirelessly to sensors on the seine. Seinemaster displays all information in graphic and numeric form.

***Omnidirectional full coverage. Data is provided as soon as sensors are in water.***



# SYSTEM SET UP & COMPONENTS



## Command Unit

Capabilities: 1000 Code Capability
Frequency: 24 kHz
Serial Output to PC
Power: 120/240 VAC

## Charger

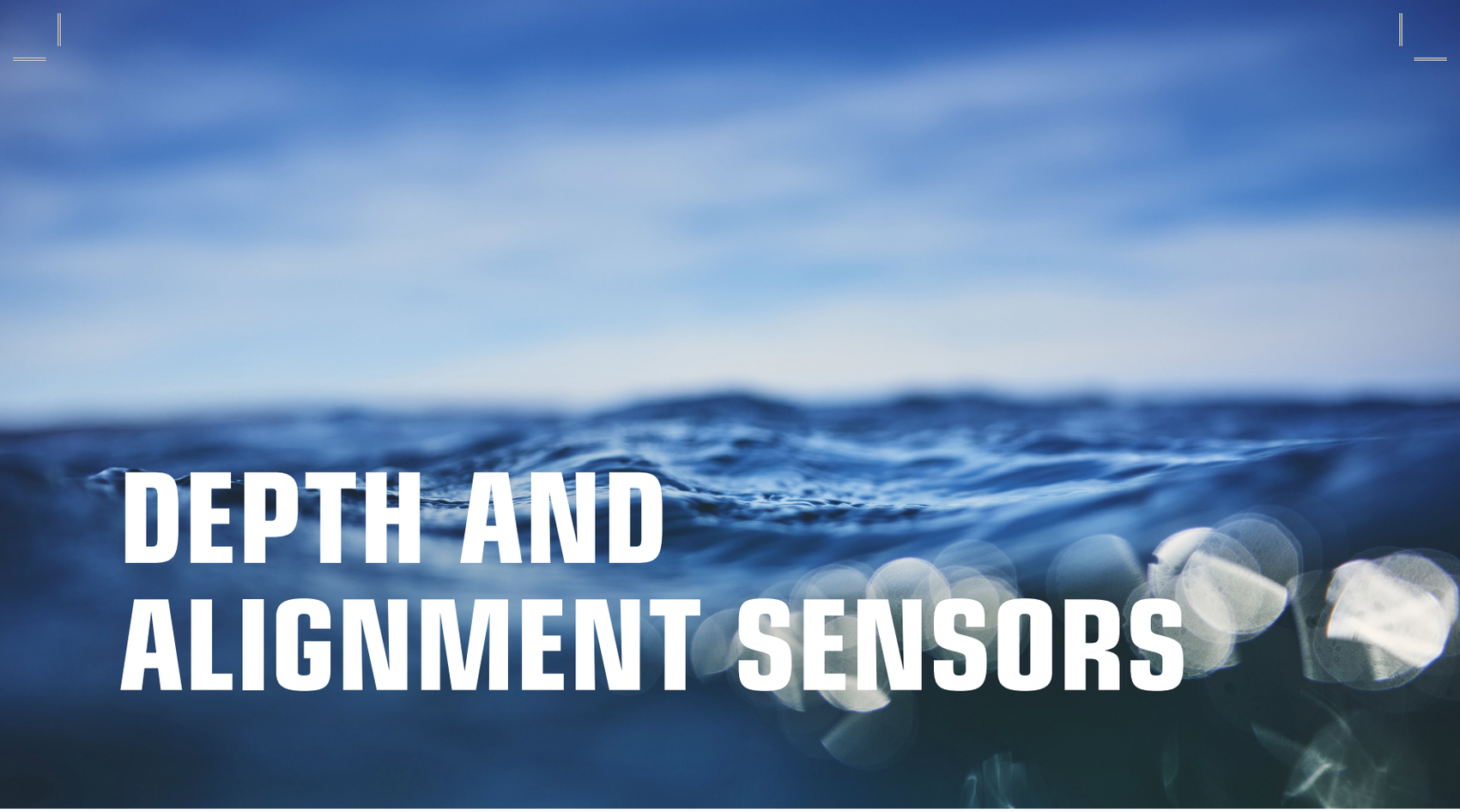
Power: 120/240 VAC
Charge Time: 90 minutes
Charger: 1 to 4 sensors simultaneously

## Seine Hydrophone

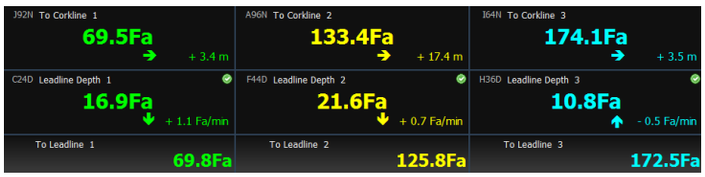
Beam Pattern: Omnidirectional
Output: 192 db Tx
Range: 700 m

## Sensors
### (General specifications)

Range: Up to 2500+ m
Weight: 1.1 kg in water
Battery Capacity: Full Trip Capability
Deployable Depth: 1500 m

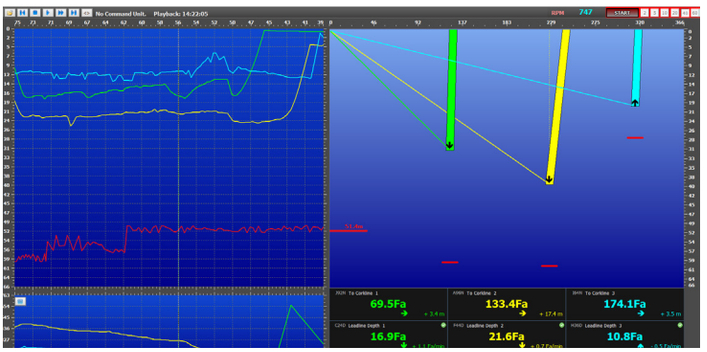


# DEPTH AND ALIGNMENT SENSORS




**Depth sensors indicate the distance from the ocean's surface to the sensor. Range from the vessel to the sensor is also provided.**

- Depth information avoids pursing too soon
  Depth is monitored in real time during the entire set, ensuring the seine is around fish before pursing
- Leadline depth will avoid costly hookups on the bottom
- Knowing depth permits catching fish very close to the bottom without touching the bottom
- Distance to the leadline (from the vessel) allows for the ability to see if currents are taking the leadline away from the vessel
- An optional temperature upgrade ensures the right temperature range for the targeted species, increasing catch quality



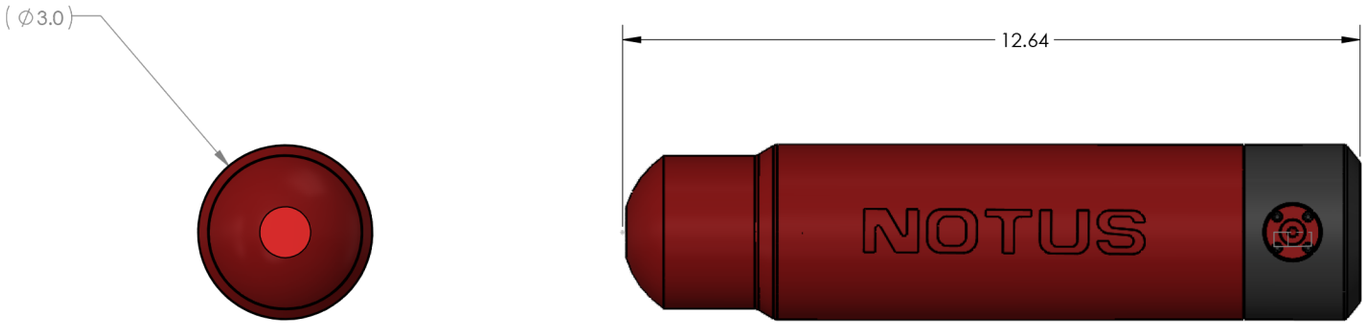

**Alignment sensors (installed just below the corkline) indicate the alignment of the corkline and leadline.**

- Fish escape when the leadline is behind the corkline
- To ensure maximum catch, the leadline should be in line or just in front of the corkline
- The above graphic indicates that the leadline (bottom of bars) is just in front of the corkline (top of bars)

*SPECIFICATIONS*

# DEPTH AND ALIGNMENT SENSORS

ACTIV OMNI | INTELLIGENCE




## Sensors

| | |
|---|---|
| Distance Range | Up to 2500+ m |
| Depth Accuracy | +/- 0.25% FS |
| Depth Resolution | +/- 0.1 m |
| Depth | Up to 2000 m |
| Temperature Accuracy | +/- 0.5° C |
| Temperature Resolution | +/- 0.1° C |
| Weight | 1.1 kg in water |
| Battery Capacity | Full Trip Capability |
| Deployable Depth | 1500 m |

# NOTES

NOTUS

For videos, photos, brochures, trawl tools and more,
please go to **www.notus.ca**

Videos
Photos
Brochures
Trawl Tools

**Notus Electronics Ltd**
391 Empire Ave
St. John's, NL, A1E 1W6
Canada
Tel: + 1 709 753 0652
Fax: + 1 709 753 0651
notus@notus.ca
www.notus.ca

**Marintec Ltd.**
11 King Street
Parkside Timaru
7910, New Zealand
Tel: +64 3 688 8506
Contact: Dave James
dave@marintec.co.nz
www.marintec.co.nz

**Notus Maritima S.L.**
Oficina D10, Zona Franca
Vigo, 36208
Spain
Tel: + 34 6977 15 901
Fax: + 34 9862 48 518
notus@notus.ca
www.notus.ca