

Catch Sensor



Marport's Multifunction Catch Sensor incorporates Marport's software defined acoustics technology and operates on both 40 kHz and 70 kHz.

This sensor, with advanced single, dual or simultaneous frequency operation, greatly increases signal detection and enables a continuous information link to the trawl. Measuring the fill rate of the trawl and indicates when cod end is full, thus eliminating problems associated with overfilling the trawl and dramatically increasing efficiency. This sensor combines high sensitivity, fast response time and quick updates of up to 20 seconds.

Field programmable and direct replacement to existing competitor's system, both for 40 kHz (Scanmar, Simrad) and 70 kHz (Wesmar™, Simrad)*.

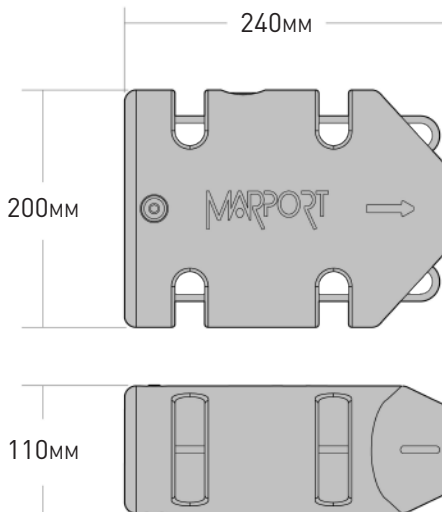
Features

- Highly visible, robust housing with built-in handle for ease of use on deck
- Single or Dual Frequency operation of 40 kHz and 70 kHz
- Up to 4 options including Depth, Temperature, Angle (Pitch & Roll)
- Capable for either Side or End pull (Side pull shown)
- Lithium-ion battery for unmatched battery life of up to 500 hours on a single standard charge of 5 to 8 hours
- Programmable via Bluetooth® including frequency, Boat Code/Channel and uplink power*
- Field serviceable of replacement of Batteries, PCB and transducer

*Bluetooth, Scanmar, Simrad and Wesmar™ are the trademark and property of its respective owners only.



Technical Specifications



Uplink Frequency	Standard: 40 kHz wireless	40.8 - 43.4 kHz
	3rd wire systems: 70 kHz	69 to 78 kHz
	Extended frequency range	30 to 60 kHz
Beamwidth		40°
Range to Vessel		2500 m
Depth range		1800 m
Pitch & Roll (Angle)		±90°
Pitch & Roll (Accuracy)		0.1 m
Depth Resolution		0.1m with 0.1% accuracy
Update Rate	DEPTH: 3 - 8 sec. / TEMP: 3 - 16 sec.	
DEPTH range		300/600/1200/1800 m
Temp Measurement Range		-5° C to +25° C
Temp Accuracy		±0.1° C
Battery Type		Lithium-Ion
Typical Battery Life Range	Up to 500 hours on standard charge*	
Charging Time	Standard: 8-12 hours**	
	Fast Charge: 4 hours (1 Hr =70%)	
Weight in Air		5.0 kg
Weight In Water		0.9 kg
Warranty		2 years (Sensor & Battery)†

* Reference Only. Depends on Catch sensor functions enabled. Battery life may be extended using low power settings.

** Based on average charging time. Refer to the Battery Chargers Quick Reference Guide for further information.

† Marport Standard Marine Limited Warranty

PRODUCT NUMBER	DESCRIPTION
NFS-4-00	CATCH SENSOR 70 kHz (Simrad FS/Wesmar compatible)
NFS-5-00	CATCH SENSOR 40 kHz (Marport/Scanmar compatible)
NFS-6-00	HYBRID CATCH SENSOR 40/70 kHz Dual Frequency
NFS-6-01	HYBRID CATCH SENSOR 40 kHz (Marport/Scanmar) / 70 kHz (Simrad)
NFS-6-02	HYBRID CATCH SENSOR 40 kHz (PI) / 70 kHz (Simrad)
NFS-7-00	CATCH SENSOR (Simrad PI Compatible)
NFS-8-00	CATCH SENSOR (40 kHz / PI 40 kHz Dual Frequency)
RPO-0-00	PITCH & ROLL OPTION
DOO-0-00	DEPTH OPTION
TOO-0-00	TEMP OPTION

Performance specifications are estimates only. Actual results will vary depending on sea state and external factors outside Marport's control. Products may appear differently than shown.

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