SCANMAR

SS4 CatchSensor

Multifunctional sensor:
Catch, SuperCatch, Filling indicator, Up/Down,
Temperature and Rip

Correct & reliable measurements

Robust construction with super plastic
eliminates the need for repair

5 year warranty

Up to 1 500 h operation time

SS4 CatchSensor or SuperCatch: CatchSensor, filling indicator or both
Scanmar SS4 CatchSensor meets all the requirements any fisherman could have.

Catch function
The sensors Catch function is activated with the
stretch wire in the traditional way, or fast activation
of stretch wire (SuperCatch) - important to avoid
overfilling.

Filling Indicator (Angle) function
This function indicates the filling rate using both
pitch and roll angle measurements on the cod end.

The Pitch measurements show how the bag gradu-
ally fills up to the point where the sensor is mounted.

The Roll angle (twist) shows how the bag twists when
it begins to fill and how it gradually corrects itself
when it becomes full. The sensor can be
programmed for normal or quick updating.

Up/Down function
The Up /Down function will notify the user when the
cod end twists and is being towed upside down.

Rip function
When using the Rip function the sensor is mounted
in the belly of the trawl and will alert the user if
detecting any rips or tears in the net to prevent loss
of catch and potentially costly damage.

Construction
The new design with double casting of the electron-
ics provides 100% protection. Scanmar's newly
developed super plastic drastically reduces damage
to the sensor due to strokes, tension, or dragging
along the bottom with a twisted trawl.

Batteries, Charging & Programming
With new long lasting Lithium-ion batteries,
charging is no longer an issue. Most users are able
to keep the sensor on the net for the whole trip, and
only charge when back from the fishing ground.

Transmission power and FID are easily programmed
with the new programming unit/charger, alongside
with choosing fast or normal update rate.

The charger has features that can check both battery
and sensor status.

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Technical Specification

MEASUREMENTS & OPTIONS

Catch
Range	Full / Empty
Mode	Standard / SuperCatch

Angle
Roll angle	-90° to +90°
Pitch angle	-90° to +90°
ScanFactor	0 to +20°
ScanFactor Pitch	0 to +20°
Accuracy	+/- 1°

Temperature
Range	-5 to +30 °C
Accuracy	+/- 0.15 °C

Upside/down
OK / Upside down

Rip
Net OK / Net ripped

OPERATION
Mounting positions	Net
Update rate	2.5 to 30 sec
Operation time	300-1500 hours [1]
Maximum depth	1500 m continuously (2300 m for a short period) [2]

BATTERY
Smart Battery	Li-Ion 10.8V / 7200 mAh
Charging time	Typ. 1.5 hour (QBC-X1)
Battery capacity indicator	5 LEDs

CONFIGURATION [3]
Channel selection (FID), Type of measurement, Power selection, Catch type and Upside down.

WEIGHT
In air	6.1 kg
In water	2.5 kg

UPLINK
Frequency range	38.9 – 43.4 kHz
Source level high power	189 dB //1uPa @ 1m
Source level medium power	186 dB //1uPa @ 1m
Source level low power	183 dB //1uPa @ 1m
Beam width	55 deg (- 3dB)
Transducer tilt	20° upward
Range to vessel [4]	Approx. 2500 m (high power)

Note: All specifications are subject to change without prior notice.

1 – Depends on power level, number of transmitting channels, telegram forms and transmitting frequency
2 – Operation below 1500 m, may however reduce the reliability and lifetime of the sensor
3 – Programmable via PC or battery charger
4 – Depends on power levels, acoustic conditions, ship noise, mounting and alignment of sensor and hydrophone