

#ScanMar SS4 Catch Sensor v01-21

SS4 Catch Sensor

- SuperCatch, filling indicator, up/down, temperature and rip functions
- 5 year warranty
- Up to 1500 hours of use from one charge



Scanmar SS4 CatchSensor meets all the requirements any fisherman could have.

Catch function

The sensors Catch function is activated with the stretch wire when the trawl is filled to the point where the sensor is mounted, which enables the skipper to follow the gradual filling. The SuperCatch function has a faster update-rate, showing a quicker activation, which is particularly important to avoid overfilling.

Filling Indicator (Angle)

Indicates the filling rate using both pitch and roll angle measurements on the cod end.

The Pitch measurements show how the bag gradually 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. ConstructionThe new design with double casting of the electronics 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

ScanSensor**SS4-P-VTL**TECHNICAL SPECIFICATIONS

Measurement options**Depth**

Range (full scale) 1: 300/600/1200/1800 m

Accuracy2: 1 m

Angle

Roll angle: -90° to +90°

Pitch angle: -90° to +90°

ScanFactor Roll: 0 to +20°

ScanFactor Pitch: 0 to +20°

Accuracy: +/- 1°

Temperature

Range: -5 to +30 °C

Accuracy : +/- 0.15 °C

Catch

Range: Full/Empty

Upside/down

Range: OK/Upside down

Rip

Range: Net OK / Net ripped

Operation

Mounting positions: Net

Update rate: 2.5 to 30 sec

Operation time3: 100-1500 hours

Maximum depth: 1500 m continuously
(2300 m for a short period4)**Battery**

Smart Battery: Li-Ion 10.8V / 7200 mAh

Charging time: Typ. 1.5 hour (QBC-X1)

Battery capacity indicator: 5 LEDs

Transmission

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 vessel5: Approx. 2500 m (high power)

ConfigurationChannel selection (FID), Type of measurement,
Power selection, Depth range, Catch type and Upside
down.**Weight**

In air: 6.1 kg