



# CS20

## Catch Sensors & Dual Charger

### Improve Catch Efficiency and Quality

- ◆ Highest transmit power on the market
- ◆ Positive detection  
Five transmits upon triggering
- ◆ Carrier stays on the net eliminating repeated setups



The reliable and sturdy WESMAR CS20 Catch Sensors measure the fill rate of the trawl, alerting you when the codend is full. These lightweight, high-frequency sensors are factory programmed to operate with any WESMAR trawl sonar or with other trawl sonar.



Identity numbers are embossed on the front of each sensor.

- ◆ CS20 is completely sealed, leak proof and mounted in a durable stainless steel carrier.
- ◆ Up to 6 sensors can be operated with WESMAR Trawl sonars.
- ◆ Up to 4 sensors designated 'other' can be operated with Simrad Trawl sonars.

## WESMAR Catch Sensors stand out from the rest

### Instant Notification:

WESMAR's Catch Sensors transmit an initial signal 5 times, 5 seconds apart alerting the wheelhouse instantly. After these initial transmits the sensor will transmit every 60 seconds to save battery life. Other eggs only fire every one minute and not every transmission makes it through risking the whole catch.

### Talking Catch Sensors:

When triggered an audio alarm in the wheelhouse reports catch sensor number.

### Repeated Mounting Eliminated:

WESMAR's Catch Sensors slip easily in and out of the carrier for charging, eliminating repeated setups.

### Catch Sensors Are On Constantly

Whether fishing or not the sensors are on. When the battery voltage drops below 12 volts the batteries are disconnected from the circuit. The batteries are then held in a conditioning state for storage or next charge. Because there is no saltwater switch the batteries are at peak perfect condition.

### Battery Life

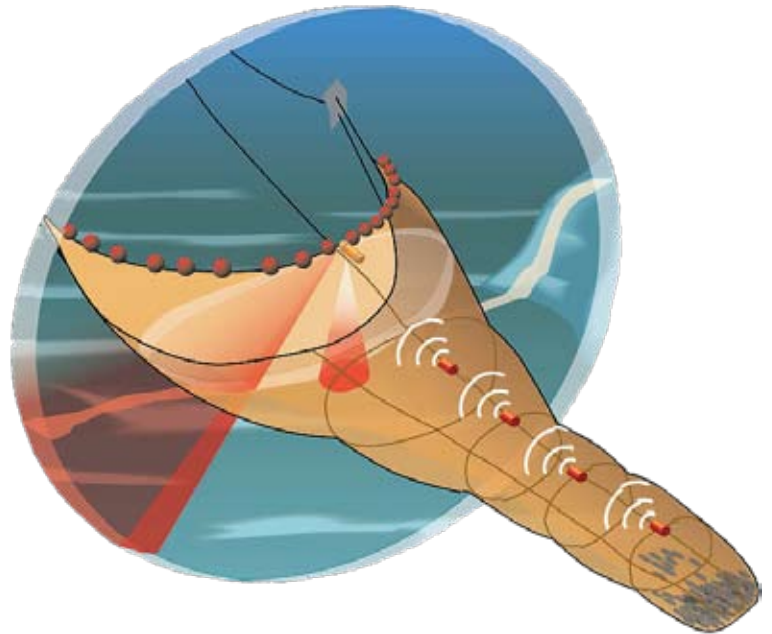
WESMAR CS20's have a battery life of three to six weeks. We recommend charging every three weeks.

## Installation and Charging quick, easy and reliable

Catch sensors are installed on the codend with the numbered end pointing toward the headrope unit.

Factory recommendation is that the batteries be charged every 3 weeks.

- ◆ No programming or computer hook up
- ◆ Half the weight of other catch sensors
- ◆ Operate on Wesmar and Simrad frequencies
- ◆ Pre-programmed for dependability
- ◆ Available in numbers 1-6



# CS20

## Specifications

### Sensor: Model CS20

Frequency: 69.8 kHz to 77.7 kHz

Numbers: Wesmar trawls: 1 to 6

Other trawls: 1 to 4

Battery life: 21 days

Charge time: 5 hours

Working Depth: 1800 meters

Weight: Dry: 6.8 lbs; 3.1 kg

Wet: 4 lbs; 1.8 kg

Length: 8.5 in.; 21.6 cm

Diameter: 3.5 in.; 8.9 cm

### Dual Battery Charger: MODEL DBC20

Input voltage: 110 to 220 volts AC

Charge current: constant current, 400 ma

Dual Charger: one or two eggs at any time

Time to charge: CS20, 5 hours

Maintenance charge: Pre-charge, top-off and trickle pulse



## PRODUCT WARRANTY

Commercial warranty and consumer limited warranty, disclaimer, and remedies. Seller warrants title, materials, and workmanship on equipment, except components manufactured by others for which seller assigns, as permitted, the original manufacturer's warranty. Seller's warranty period for all applicable express or implied warranties shall be ninety (90) days after installation or one (1) year after date of shipment to the original buyer, whichever time period expires first. Nonconforming equipment reported to seller during the applicable warranty period and returned to seller at buyer's expense and risk shall be repaired, or replaced at seller's option. If seller is unable or unwilling to repair or replace such reported and returned nonconforming equipment within a reasonable time, then buyer shall be entitled to a refund of the purchase price of the equipment as buyer's sole remedy. This paragraph sets forth buyer's exclusive remedies for nonconforming goods. This commercial warranty and consumer limited warranty is in lieu of all other warranties, express or implied, including design, course of dealing, merchantability, and fitness for a particular purpose. NOTE: LIMITATION OF SELLER'S COMMERCIAL AND CONSUMER LIABILITY. Seller shall not be liable on any claim for loss of use, revenue, or profit, for injury, or for any other incidental or consequential damages, regardless of the basis for buyer's claim(s), including, but not limited to, the law of contract, warranty, or tort. In no case shall seller's liability on any claim(s) exceed the amount paid to seller for the purchased goods.



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