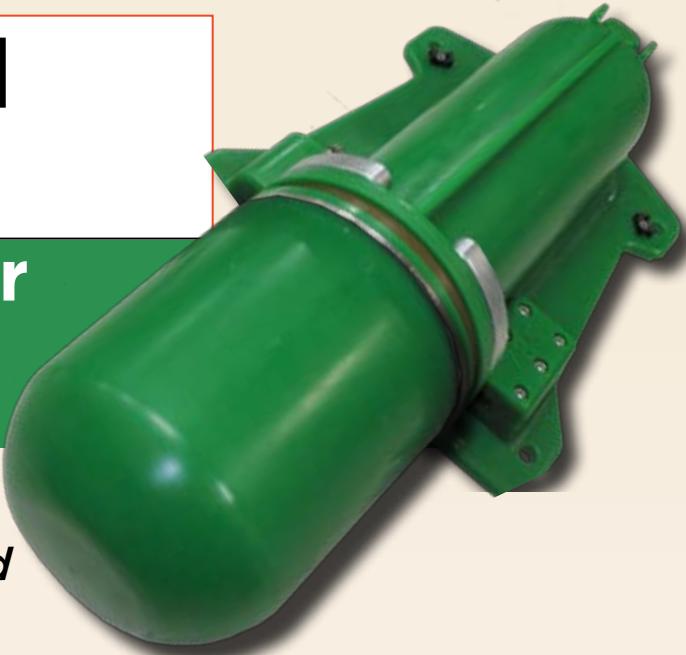


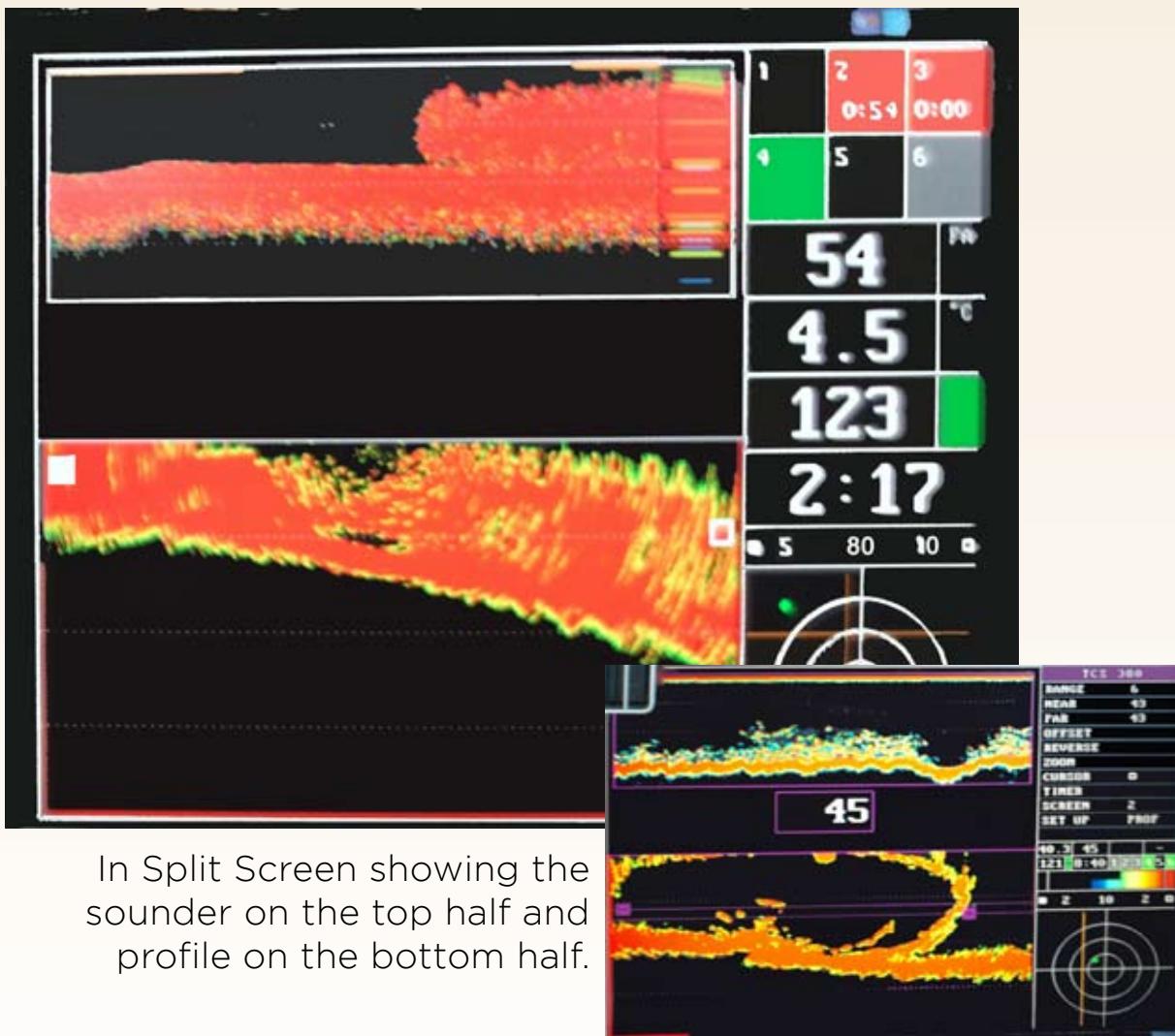


# TCS785 and TCS385

## Trawl Sonars for Every Fishery



*Featuring NEW information-packed operating screen and net profiler interface*



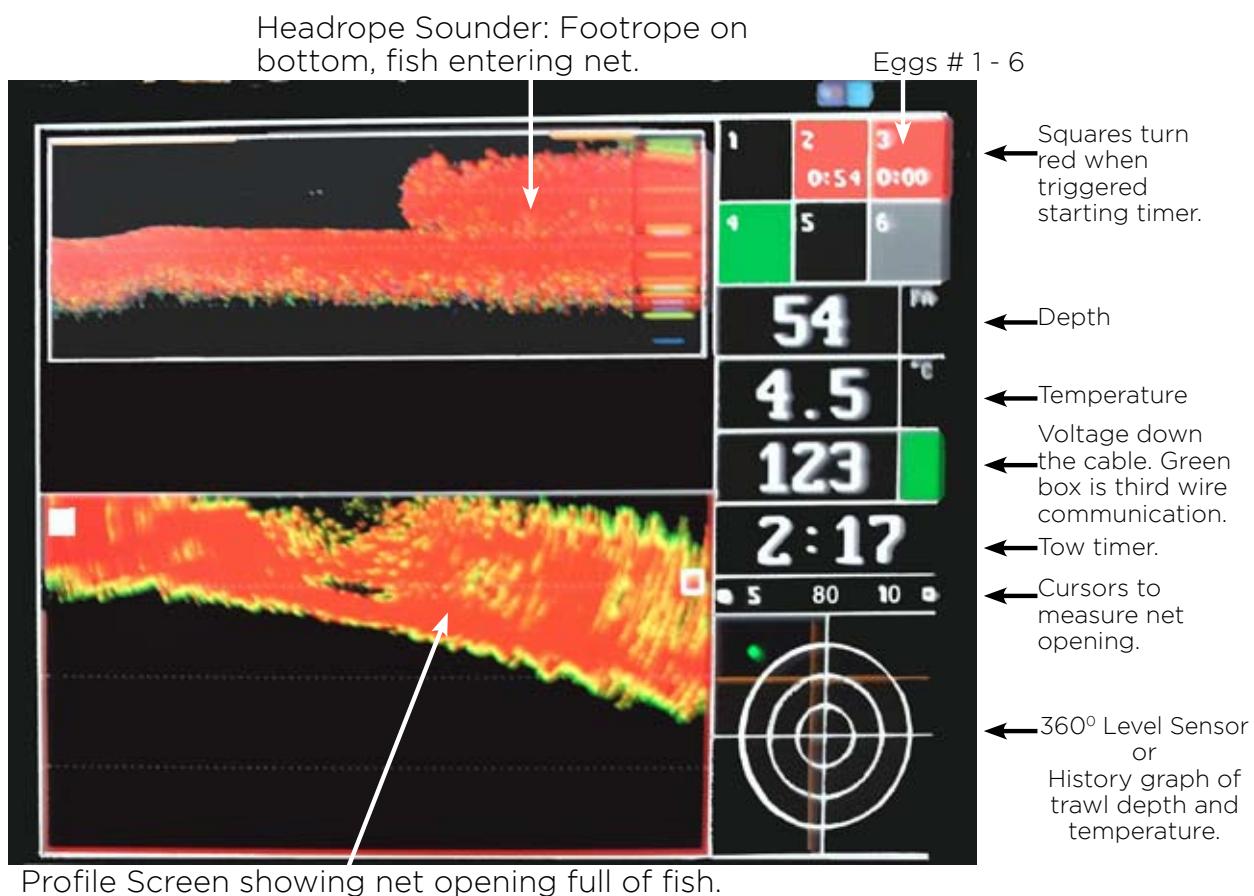
In Split Screen showing the sounder on the top half and profile on the bottom half.

# Trawl Sonar With Multiple Functions

**TCS 785:** Three sonars in one: forward scan, net profile, and sounder.

**Better Interface:** A new operation screen shows critical towing information, allows more information than ever before immediately at your fingertips. Once the screen is set you do not need the menus; however, you can bring them back up if necessary. The new operation screen constantly gives valuable information when towing, showing the catch sensors, water temperature, depth of trawl, voltage, roll and pitch, and tow time.

**Net Efficiency Monitoring** The TCS 785 trawl receives information from a profiler positioned on the net that sends back information alerting operators to areas where fish are escaping.



**Pressure Sensor** constantly monitors the depth of the headrope making it possible to align the net with the fish as they pass under the boat.

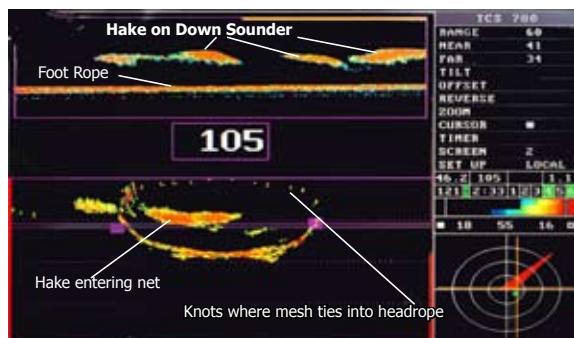
**Depth Sounder** will indicate how far down the slope the net is fishing.

**Data Output** allows you to connect to a compatible video sounder and view a depth line across the screen that represents the positions of the net. Align the net line with fish targets on the screen before the fish reach the net.

**Tow Timer** starts automatically when the system is turned on. Or, reset the timer any time.

# WESMAR's Trawl sonars Improve catch volume and quality while saving fuel.

"Captain Steve Mallinson, skipper of the Trawler, Bay Islander, fishes the Oregon Coast and Alaska uses WESMAR trawl sonar and says: "The sonar helps me see what and how changes are made to the net, so I'm not fishing blind. This helps not to under or over-fill the nets. In split screen mode I have two pieces of information all the time. The guys with other systems only see one screen at a time. The WESMAR Trawl saves time, you know where you are all the time so it makes me more efficient. I'm not fishing blind, which means more money and saves fuel," says Mallinson."



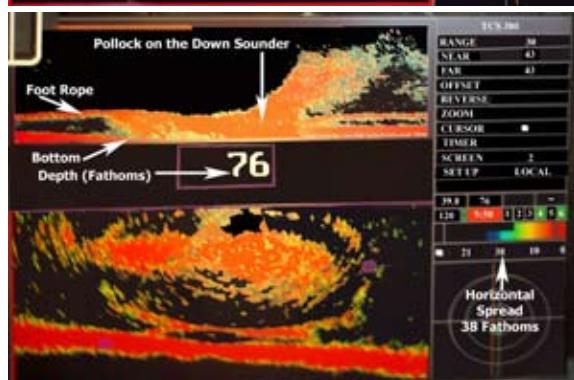
## Forward Scan:

The forward looking transducer scans forward to mark doors and track fish, measures door spread and bridle lengths, and determine if the doors are horizontal or one is above or below the other. The forward looker will also confirm that the fish are not passing over the bridles.

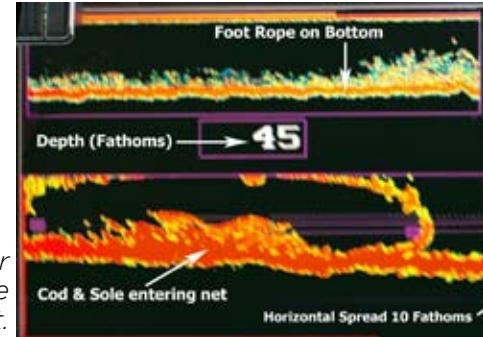
*Left: Trawling for Hake with the sonar in split screen at 105 fathoms; horizontal net spread of 55 fathoms.*

## Spilt Screens:

Select Profile & Down Sounder or Forward Scan & Down Sounder or Forward Scan & Profile for simultaneous viewing. Each transducer has its own adjustments to bring out the best resolution. The Down Sounder keeps a steady view of the net opening, fish and footrope while the captain can take measurements on the other screen. Activate the 4X zoom feature and follow the footrope and bottom relation.



*Left: Pollock on the down sounder. Fish trying to dive under the footrope so the Captain set more wire to get under them.*



*Right Down Sounder showing Cod and Sole entering the net.*

## Profile the net opening with the compact lightweight TCS385

- Works with up to 6 Catch Sensors
- Voltage measurement down the cable and third wire communication
- Low frequencies for highest resolution at long range



## Lighweight:

The TCS 785 weighs 65 lbs (29 kgs, 18 kgs), lighter than other headrope units with the forward scanning capability. The TCS385 is lighter yet at 26.5lbs, 12 kg dry: 9.9 lbs, 4.5 kg wet.

## TCS385

Compact Trawl Sonar  
Lightest weight in the Industry

# Trawl Sonar

## Specifications

### TCS785 HEADROPE UNIT (SLED)

Working Depth: 1800m  
Frequency: 110kHz Forward Scan, 8.5 x 8.5 degrees  
110kHz Downsounder, 28 x 28 degrees  
180kHz Profile, 4 x 30 degrees  
OR: 300kHz Profile, 2.3 x 25 degrees  
Stabilizer: Forward Scan +/- 30 degrees  
Catch Sensors: 1 to 6 Wesmar sensors, 1 to 4 other sensors  
Depth Sensor: Meter, Fathom, Feet  
Temperature: +0.1 degree Centigrade  
Weight: 65lbs, 29.5 kg dry: 20.9 lbs, 9.5 kg wet

### TCS385 HEADROPE UNIT (SLED)

Working Depth: 1000m  
Frequency: 110kHz Down Sounder, 28 x 28 degrees  
180kHz Profile, 4 x 30 degrees  
Catch Sensors: 1 to 6 Wesmar sensors, 1 to 4 other sensors  
Depth Sensor: Meter, Fathom, Feet  
Temperature: +0.1 degree Centigrade  
Weight: 26.5lbs, 12 kg dry: 9.9 lbs, 4.5 kg wet

### Hand Control:

The hand control makes the operation easy and more accessible throughout the wheelhouse.



WESMAR's low frequency trawl sonars use a gold plated high resolution transducer.

### 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



### Catch Sensors:

A large codend can use more than four sensors to monitor the catch rate. WESMAR catch sensors are quick to respond providing the best protection from overfilling the net.

