

SENSORS

TrawlEye

TYPE TE40 1/2

Detects fish and shrimp not visible on the vessel's echo sounder, and measures the trawl opening and bottom contact.

- Detects fish and shrimp not visible on the vessel's echo sounder
- Measures the height of the trawl opening, the height from the headline to the bottom, and bottom contact or clearance
- Enables skippers to optimize the trawl geometry
- Configurable with different ranges downward and/or upward
- Includes two batteries



Detection ability

Because the TrawlEye is closer to the fish when mounted on the headline, it has far better detection capacity than echo sounders mounted on the vessel. An experienced skipper will easily be able to tell whether he is seeing fish or bait, and whether he is fishing for the right species.

Wide-Beam and Narrow-Beam

With the many areas of application and different fisheries, Scanmar saw the need for two TrawlEye variants. The Wide-Beam TrawlEye was first launched for low opening trawls and is commonly used in white fish operations. When fishing for shrimp or other species close to the seabed, the Narrow-Beam TrawlEye usually gives the best detection. It is also commonly used in pelagic trawling.

Bottom trawling

The TrawlEye gives precise information about the trawl opening and contact with or clearance from the bottom. During bottom trawling this information is very useful to avoid losing bottom contact.

Technical specifications

Transmission

Frequency range	43.6 – 46.3 kHz
Source level, high power	188 dB // 1uPa @ 1m
Source level, low power	180 dB // 1uPa @ 1m
Beam width	70 deg
Range to vessel	Approx. 2000 m (note 1)

Operation

Update rate fast	1.3 sec
Update rate medium	3.2 sec
Update rate slow	4.2 sec
Max. depth	1200 m

Battery

Type	NiCd, 10.8V / 5.0 Ah
Operation time	15 – 45 hrs (note 2)

Echo sounder

Frequency	97 kHz
Beam width up/down, TE-40-1	40 deg / 40 deg (- 3 dB)
Beam width up/down, TE-40-2	40 deg / 20 deg (- 3 dB)
Range, up / down	15, 30, 60, 90, 120, 150 m
Range, down only	180, 240, 300 m
Vertical resolution	0.15 to 0.75 m

Weight

In air	11.7 kg (incl. battery)
In water	4.3 kg (incl. battery)

Main dimensions

Length	315 mm
Width	259 mm
Height	128 mm

Available options

Protective housing	105010
Battery pack	110307
Battery charger	TBC-05

