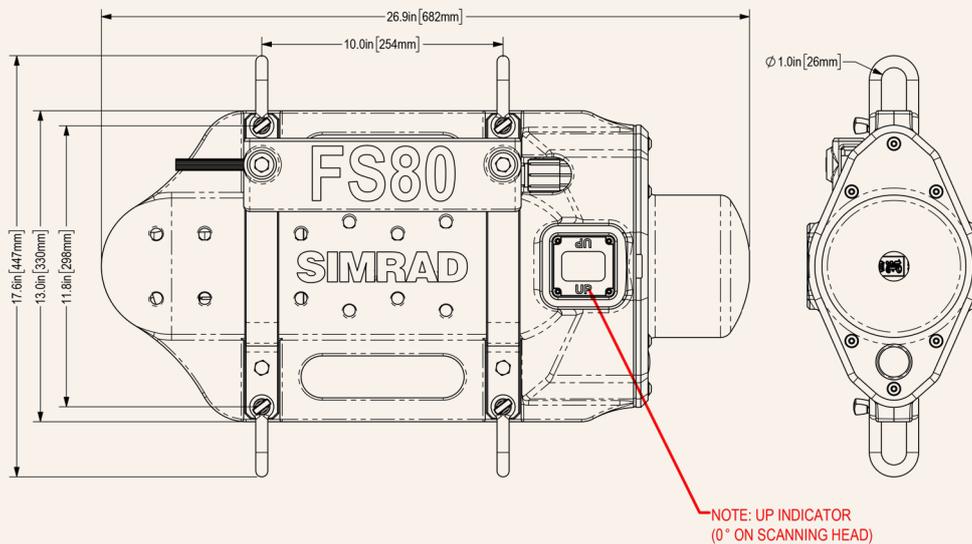# FS80 Trawl Sonar

Next-generation catch solution for sustainable fisheries

The Simrad FS80 has been designed to be robust, versatile, and feature-rich. It operates on both high-bandwidth and lower-bandwidth netsounder (third-wire) trawl cables. The FS80 is the perfect solution for customers who want to expand their gear-monitoring equipment without replacing their existing cable infrastructure.

Highlights

- 165-330 kHz net profiler allows for different types of fisheries using one sonar

- 200-400 kHz low-frequency downsounder for improved monitoring of catch intake

- 500-750 kHz high-frequency downsounder enables improved bottom / footrope discrimination

- 200-400 kHz upsounder provides clearer monitoring of escapement above the net

- Up to six catch receivers for more complete monitoring of catch progress

- Integrated depth/temperature/pitch/roll sensors for accurate monitoring of deployment pack

- Light and compact for improved handling on the deck

- 2000 m operating depth

SIMRAD
By KONGSBERG

NOTE: UP INDICATOR
(0° ON SCANNING HEAD)

Technical specifications

FS80 Trawl Sonar

Sonar

Operating frequency	165 kHz to 330 kHz
Vertical beamwidth	35° - 18°
Horizontal beamwidth	5.8° - 2.8°
Internal sensors	Depth, Temperature, Pitch and Roll

Up sounder

Operating frequency	200 kHz to 400 kHz
Vertical beamwidth	31° - 15°
Horizontal beamwidth	11° - 5°

Low-frequency down sounder

Operating frequency	200 kHz to 400 kHz
Vertical beamwidth	31° - 15°
Horizontal beamwidth	11° - 5°

High-frequency down sounder

Operating frequency	500 kHz to 750 kHz
Vertical beamwidth	25° - 17°
Horizontal beamwidth	21° - 22°

Acoustic sensor support

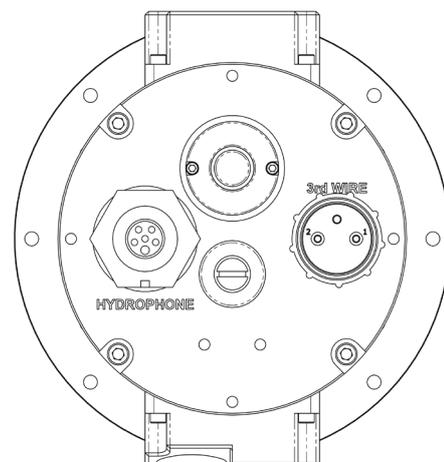|	
40-kHz catch hydrophone	Catch only (analog sensors not supported), PI-compatible (The FS80 only supports gear monitoring sensors programmed for the PI50/60 receivers)

Interface

Input voltage	250-400 VDC
Input power	< 60 W
Cable length	Up to 3500 m on high-bandwidth cable (such as CB6000 or equivalent) Up to 2500 m on low-bandwidth cable (CB1900 or equivalent)
Input/output data	Ethernet (UDP) and serial in/out
Operating system	Windows 10 and 11

Environmental

Operating temperature	-5°C to +35°C
Storage temperature	-25°C to +40°C

Mechanical

Width	330 mm (13 in) [excluding shackles]
Height	182 mm (7.2 in)
Length	682 mm (26.9 in)
Weight in air	19.7 kg (43.4 lbs)
Weight in seawater	7.26 kg (16 lbs)
Depth rating	2000 m
Netsounder cable connector	SubConn BH2MSS
Catch hydrophone cable connector	SEACON RMG-6-BCL
Materials	Aluminium, stainless steel, and polyurethane
Finish	Anodize (black)

Specifications subject to change without any further notice.