Simrad PI50
Catch monitoring system

New user interface
Menu system in all languages
New PI50 Receiver unit
Innovative technology
Software runs on personal computer
Works with standard colour displays
Prepared for wide screens (16:9)

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TECHNOLOGY FOR SUSTAINABLE FISHERIES

The new PI50 system is easy to operate, and opens up new possibilities for future applications and features.

Catch monitoring is becoming more and more important in today's fishing where efficiency on all levels is crucial to stay profitable. The Simrad PI50 has been developed with this in mind where all important information is easy to find and understand. The new menu structure is the same as with Simrad sonars and fish finders making it a natural companion to those on the bridge.

A completely new "black box" PI50 Receiver has been designed with signal reception stability as the main focus. The receiver can easily replace any former PI system installed, thus making it an easy upgrade from older systems.
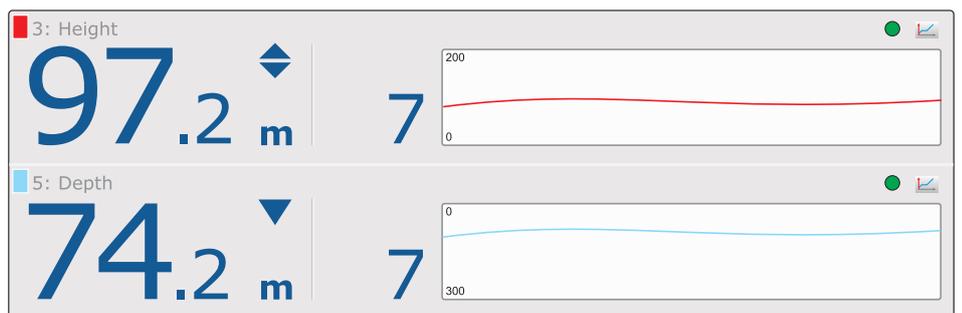
The main system operates on a regular PC with Simrad' own award winning MMI. Setting up sensors and channels has never been easier and information displayed has never been more instant accessible than now.

The system can receive up to six channels, or six different measurements/sensors. This will enable you to measure critical parameters like door spread and door stability, trawl geometry, catch volume etc. The information is displayed in big and easily read numbers, along with graphical presentation of certain sensors.

The PI50 uses the highly acclaimed robust PI sensors used in numerous systems around the world. All previous PI sensors can be received making an upgrade from older systems economical and effortless. By combining up to six of these sensors the Simrad PI50 will ensure you safe and efficient trawling or purse seining.

A brand new receiver

The new PI50 receiver is small, light and easy to install. It communicates with your computer using a serial line. The hydrophone is connected using the same plug as on the other PI systems. The new receiver can thus easily replace an old system.

The Simrad PI Catch Monitoring systems can be used with a variety of sensors. All these sensors can be placed on your trawl or purse seine to monitor key parameters. The design of the sensors is extremely rugged, and they are built to withstand all the beating and battering they are subjected to on a trawl or purse seine.

Simrad PI Bottom Contact

Mounted on a bottom trawl, pelagic trawl or purse seine, this sensor will tell you if the gear touches the bottom, or lifts off.

Simrad PI Catch

This is your "eye" at the cod-end. With this sensor in use, you can easily monitor the filling rate and the amount of catch in the trawl.

Simrad PI Depth

When the sonar and echo sounder tell you how deep the school goes, it is good to know that you can place your fishing gear at the same depth. Use this sensor to monitor and hold the desired depth.

Simrad PI Geometry

Check the geometry of your bottom trawl, pelagic trawl and danish seine. This is achieved by making accurate measurements of the distances between the centre of the headrope (or footrope) and each of the trawl doors or wing ends.

Simrad PI Height

With a built-in echo sounder, this new PI sensor will always tell you the exact distance to the bottom or the footrope.

Simrad PI Rip

This sensor allows you to monitor if your net is damaged.

Simrad PI SeineSounder

From its position on the gear, this dual sensor measures both the depth below the surface and the height above the bottom.

Simrad PI Spread

Used on bottom and pelagic trawls the PI Spread sensor provides crucial information about your trawl behaviour. It tells you the exact distance between the trawl doors.

Simrad PI Spread/Depth

This dual sensor measures the physical distance between the trawl doors as well as the depth of the trawl door.

Simrad PI Temperature

This sensor measures the water temperature. Fishing in too warm or too cold water may be just a waste of time and money.

Simrad PI Twin Spread

Used on twin trawls the Twin Spread and Remote sensors provide crucial information about your trawl behaviour. The three sensors working together tell you the exact distance between the two pairs of trawl doors.

A maritime computer

The computer provided optionally with the Simrad PI50 system is well known to our echo sounder users. Small, light and with no moving parts it is an excellent choice for demaning maritime operations.

Technical specifications

- Main units
  - PI50 Receiver
  - Computer
  - Colour display
- Number of sensors: 6

PI50 Receiver

- Interface to PC: Serial RS232
- Hydrophone plug: Same as PI30, PI32, PI44 and PI54
- Power: +24 Vdc, 250 mA [1]

Minimum computer requirements

- Operating system: Microsoft Windows XP® SP3
- Processor: Core2duo, 2GHz
- Memory: 2 Gb
- Harddisk: 150 Gb
- Serial line: One RS232
- USB: Yes
- Graphic adapter: VGA or DVI depending on display type
- Mouse/pointing device
- Display size: Use display fit to the computer's graphic adapter. Software supports 16:9 displays

(1) Power supply for 115/230 Vac is included with the delivery.

Catch Monitoring

Fishermen all over the world rely every day on information from the Simrad PI catch monitoring systems. Information about door spread and door stability, catch volume in the cod end, and the height of trawl are all vital for an efficient trawler.

On a purse seine you receive information about net depth, sinking rate and thermo clines.

All Simrad PI Sensors are made in titanium and shock absorbing material. This is required to put up with the rough environment on professional fishing vessels working in every corner of the seas.

The Simrad PI50 system gives you full control from setting to catch, and thus allows you to be more profitable.

The Simrad PI50 Catch Monitoring system receives information from up to six sensors at the same time. The system uses a hull mounted, or can use a portable hydrophone. The depth of the fishing gear, water temperature, and the important bottom contact information are displayed in large digits and easily understandable graphics.

The Simrad PI50 system and sensors is designed with different codes. This avoids interference between vessels operating close together. The small size, quick update rate, long battery life and its long range capability, allows the Simrad PI sensors to be installed on any size net, from a small sardine net to a large tuna net.

The Simrad PI50 system interfaces to the latest professional Simrad fishfinders and sonars.

Long history, long experience

Simrad has manufactured echo sounders for more than 60 years, and catch monitoring systems since the early 1960s. Simrad's first echo sounders came in 1951. These gave the fisherman a real advantage, he was able to see the depth, the bottom contours and even fish! In 1965, we released the cable based FH Trawl Eye. By means of a single cable, this early system was able to offer a wealth of information about the gear.

Since then, Simrad has been the world's leading manufacturer of echo sounders, sonars and catch monitoring systems. Fishermen all over the world trust Simrad to provide the very best in quality, and lead the way in innovative functionality, and to come up with better and more advanced designs. It's a well placed trust.

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