

# PX MultiCatch D/T



## Installing on a purse seine

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### PX MultiCatch description

The PX MultiCatch is a wireless multifunction catch monitoring sensor.

The Simrad PX MultiCatch is provided in several different versions. The version is defined by the type of sensor lid.

- Standard
- Depth/Temperature (D/T)
- Catch/Temperature (C/T)

In order to receive the information from the sensor you need a suitable receiver and one or more hydrophones.

### Available measurements

When equipped with a Depth/Temperature lid and configured for a PI receiver, the PX MultiCatch sensor, can make one of following measurements:

- Depth
- Temperature

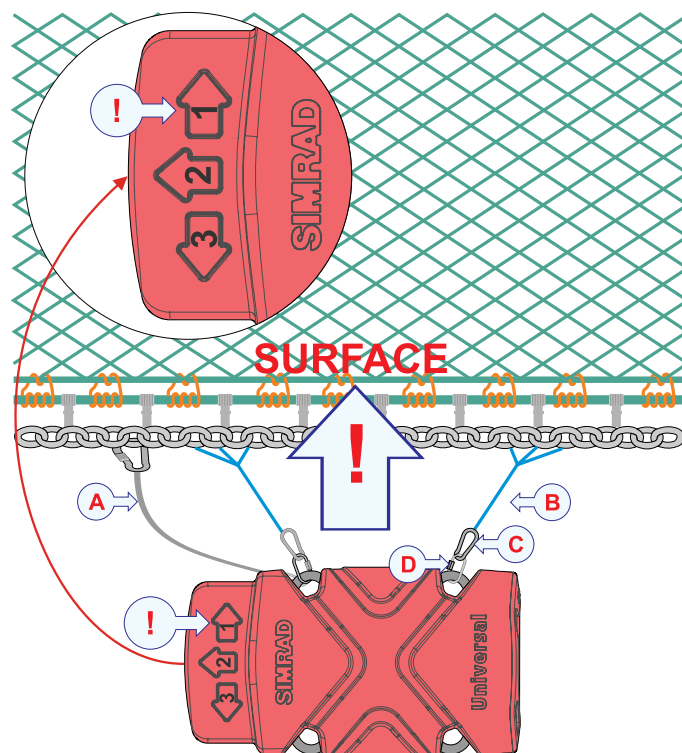
When equipped with a Depth/Temperature lid and configured for an SR receiver, the PX MultiCatch sensor, can make two of the following measurements:

- Roll
- Pitch
- Depth
- Temperature
- Battery status

An additional license is required if you wish to make more than two measurements with your sensor.

### Mounting on a purse seine

Place the sensor below the leadline.



- A Safety wire with quick link
- B Rope
- C Snap hooks
- D Quick link

Note

*Make sure that arrow number 1 points to the surface and arrow number 3 points to the bottom.*

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## Technical specifications

These technical specifications summarize the main functional and operational characteristics of the PX MultiCatch catch monitoring sensor.

### Performance specifications

- **Maximum depth:** 1.400 m
- **Depth accuracy:** 0.5 %
- **Communication transducer:**
  - **Beamwidth:** 60° (-3 dB)
  - **Source level:** 195 dB (maximum power)
  - **Range:** 1500-2500 m
- **Roll angle measurement:**  $\pm 90^\circ$  ( $\pm 2^\circ$  accuracy)
- **Pitch angle measurement:**  $\pm 90^\circ$  ( $\pm 2^\circ$  accuracy)
- **Spread measurement range:** 0-600 m
- **Battery status measurement:** 0-100% ( $\pm 1\%$  accuracy)
- **Update rate:** 1.5-30 s approximately

### Battery lifetime

The battery lifetime of a PX MultiCatch depends on its number of measurements and their update rate, channel and output power, as well as the water temperature.

Normal charging time for a fully depleted sensor battery is approximately three hours.

### Weight and outline dimensions

- **Weight in air:** 6.5 kg approximately
- **Weight in water:** 3.5 kg approximately
- **Outline dimensions:**
  - **Height:** 300 mm
  - **Width:** 155 mm

### Environmental requirements

- **Operating temperature:** 0 to +50 °C
- **Storage temperature:** -10 to 50 °C

Note \_\_\_\_\_

*At Kongsberg Maritime, we are continuously working to improve the quality and performance of our products. The technical specifications may be changed without prior notice.*

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