

# PX MultiCatch D/T



## Installing on a trawl's headrope

KONGSBERG

### 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.

- 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

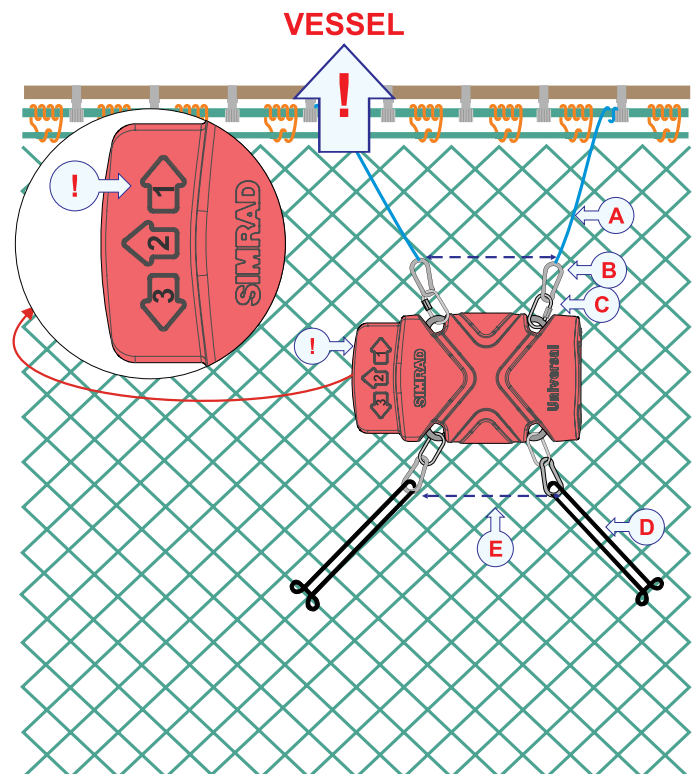
When equipped with a Depth/Temperature lid and configured for an SR receiver, the PX MultiCatch sensor, can make two of the following measurements:

- Depth
- Temperature
- Roll
- Pitch
- Battery status

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

### Mounting on the trawl's headrope

Place the sensor behind the headrope with arrow number 1 pointing towards the vessel.



- A Ropes
- B Snap hooks
- C Quick link
- D Rubber band
- E Align the attachment points to ensure a proper communication with the vessel.

Note \_\_\_\_\_

*Make sure arrow number 1 points to the vessel and arrow number 3 points to the codend.*

## 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:** ±90° (±2° accuracy)
- **Pitch angle measurement:** ±90° (±2° accuracy)
- **Spread measurement range:** 0-600 m
- **Battery status measurement:** 0-100% (±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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