

## ACOUSTIC TRANSMITTER



# TILT

The Thelma Biotel transmitter with the tilt sensor offers a sensor range of 0-180 degrees measuring tilt angle along the central axis (default) of the casing, with a resolution and accuracy of 1°. The sensor is available in all transmitter sizes and can be custom-made to combine with several other sensors as well as with a variety of battery pack options.

## FEATURES

- Tilt sensor range 0-180°
- Available in all transmitter sizes
- Long operational lifetime ~ 4 months -> 10 years
- Can be combined with other sensor options
- Additional max survival depth available upon request

## TILT ANGLE / INCLINATION

The sensor can measure the tilt angle along the central axis (default) of the casing. This can be convenient for remote monitoring of the tilt angle of any animal, equipment or any other object under water. The transmitted value ranges from 0° to 180°, with a 1° resolution and accuracy.

Using a magnet command, the angular zero point may be set to change the default orientation or compensate for misalignment after mounting the tag.

## APPLICATIONS

The transmitter containing the tilt sensor can record angular measurements of the anchor lines used for anything from wharves to oil platforms. It can be helpful to keep track of the tilt of the anchor points in order to prevent uneven pressure in one location. It is also possible to use the tilt sensor for volume measurements of net bags in fish farming facilities and to keep track of the angle of deployed equipment on the lake - and seabed.

Animal behaviour connected to the angle of the individual, such as resting or diurnal migration, is also a valuable application for the transmitter containing the tilt sensor.

\*Expanded max survival depth can be available on request.

## SPECIFICATIONS

### Tilt

Tilt range:	0-180°
Resolution:	1°
Accuracy:	1°
Max survival depth:	500 m*

### Sensor Combinations



DEPTH



TEMPERATURE



ACTIVITY