

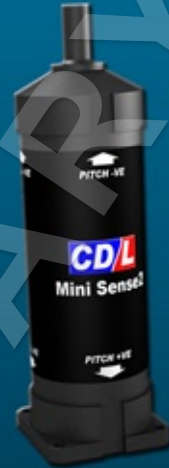
# MiniSense2



The CDL MiniSense2 is a second generation MEMS (Micro Electrical Mechanical Systems) based motion sensor. Building on the success of the original MiniSense product the MiniSense2 uses the latest high accuracy 6 Degrees of Freedom (6DOF) MEMS technology to achieve higher accuracy in pitch, roll and heave measurements.

In addition, the MiniSense2 introduces a new range of aiding options and an in-built magnetic heading sensor to allow use in a far wider variety of applications up to and including full INS performance in a unit smaller than your hand.

A powerful BlackFin processor provides incredible flexibility and the power to run inertial calculations within the MiniSense2 including aiding of the magnetic heading sensor to vastly improve performance when alongside ferrous metal objects.



## Features:

- GPS Integration
- Inertial aided heading
- Small size
- High accuracy
- Low cost
- Light weight
- Highly adaptable
- Low Power
- Rugged

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## Product Specification:

### Performance:

Range:	
Heave	+/- 10m
Pitch	+/- 90 deg
Roll	+/- 180 deg

### Accuracy:

Heave	7 cm or 7% whichever is greater
Pitch	0.1 deg
Roll	0.1 deg
Heading	1 deg

### Resolution:

Heave	1 cm
Pitch	0.01 deg
Roll	0.01 deg

### Power Requirements:

Supply voltage	10-36 Vdc
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### Environment:

Operating temperature	- 40 to 85°C
Calibrated temperature	0 to 50°C

### Dimensions:

44 dia x 134 mm

### Mounting:

4 holes M4 37 x 37mm

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