

HOYTEK SENSOR

Hoytek AHRS & Depth Sensor is a compact and rugged device that has AHRS, depth and temperature sensors. It provides an excellent solution for ROVs, AUVs and any other platforms where highly accurate measurements are required.

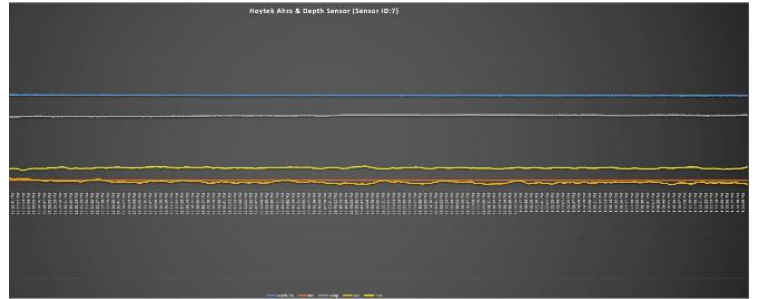


FEATURES

- ⊕ Field proven
- ⊕ AHRS, Depth & Temperature Sensors
- ⊕ High accuracy and resolution
- ⊕ Industrial grade design
- ⊕ 1000-3000msw options

MCBH6M-SS CONNECTOR

1. 0 VDC
2. 5 – 12 VDC
3. RS232-Rx
4. RS232-Tx
5. Not Used
6. Not Used



Stable and Accurate Readings



Integration Support



Remote Support



ROV Training



1 Year Warranty

MECHANICAL

Diameter	41mm
Length	88mm (without connector)
Weight in Air	250g
Weight in Water	130g
Housing Material	Aluminium 6061
Depth Rating	1000m (6000m optional)

COMMUNICATION & POWER

Digital	RS232
Baudrate	9600 – 115200
Data	Continuous
Input Voltage	5-12 VDC

AHRS

Roll & Pitch Accuracy	$\pm 0.8^\circ$
Yaw Accuracy	$\pm 2^\circ$
Full Scale Range	$\pm 2000^\circ/\text{s}$
Operation Temperature	-40 – 85 °C
Roll & Pitch Accuracy	$\pm 0.8^\circ$
Yaw Accuracy	$\pm 2^\circ$

DEPTH

Accuracy	$\pm 0.15\%$
Range	1000m (opt. 6000m)
Resolution	0.001%
Operation Temperature	-40 – 85 °C
Accuracy	$\pm 0.15\%$

TEMPERATURE

Accuracy	$\pm 0.5\%$
Range	0 – 50 °C
Operation Temperature	-40 – 85 °C



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