

UNDERWATER  
COMMUNICATION & NAVIGATION  
LABORATORY

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**VOSTOK**

**Underwater navigation system  
VOSTOK-ACS acoustic compass**

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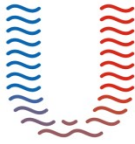
## **KEY FEATURES**

- **Simultaneous homing for an unlimited number of VOSTOK-ACS devices**
- **Rugged, durable and highly visible plastic housing**
- **Direction finding up to 5000 m**
- **Distance measurement up to 2800 m**
- **Reliable and noise-immune technology of digital broadband acoustic communication**
- **Long battery life up to 8 hours**
- **Wireless charger**

The acoustic compass VOSTOK-ACS is a small-sized wearable direction-finding antenna (USBL system).

A unique device that allows the diver to determine the direction and distance to the VOSTOK-BASE homing beacon, thereby solving the diver's homing task.

The ideology of passive reception allows simultaneous operation of an unlimited number of devices in the same water area with a single homing beacon.



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## **TECHNICAL SPECIFICATIONS**

<b>DIMENSIONS</b>	<b>118 x 85 x55 mm</b>
<b>WEIGHT (dry)</b>	<b>0.3 kg</b>
<b>DEPTH RATING</b>	<b>50 m</b>
<b>MAX OPERATING RANGE (ranging)</b>	<b>up tp 2800 m</b>
<b>MAX OPERATING RANGE (bearing)</b>	<b>up to 5000 m</b>
<b>BATTERY LIFE</b>	<b>up to 8 hours</b>
<b>WORKING TEMPERATURE RANGE</b>	<b>0 .. 50 °C</b>
<b>BUILT-IN BATTERY TYPE</b>	<b>Li-Po</b>
<b>FREQUENCY BAND</b>	<b>5-15 kHz</b>
<b>RX/TX MAX RELATIVE VELOCITY</b>	<b>+/- 1.8 m/s</b>
<b>NOMINAL UPDATE PERIOD</b>	<b>2 s</b>