

# C-Keel Sound Velocity Probe

**Attention:**

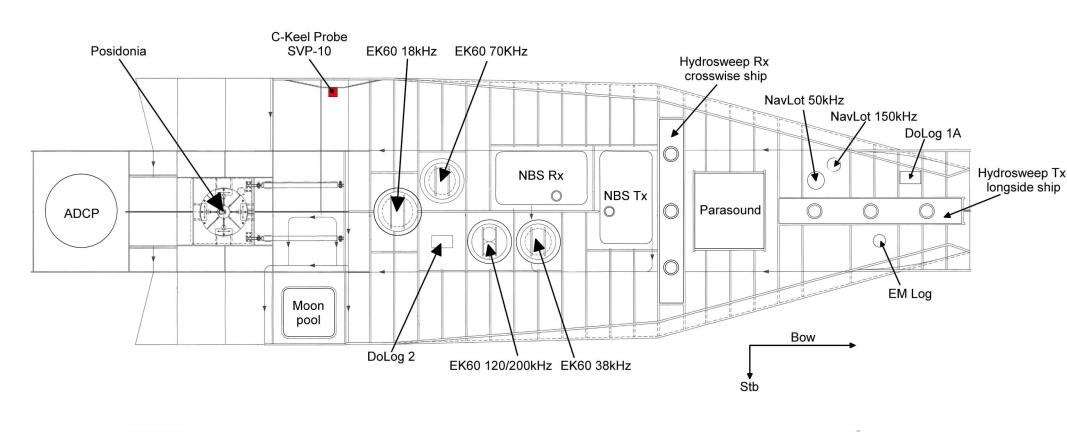
Please note that operations of the C-Keel Sound Velocity Probe requires experienced scientific staff on board. The system is not operated by the ship's crew. Announce operations with the C-Keel Sound Velocity Probe to AWI-Logistics prior to the cruise and clarify the data transfer after the cruise.

## Summary

SVP is meant to be installed in RV Polarstern box keel at depth of 11m. Measurement data are primarily used as c-keel values for echo sounder systems Parasound and Hydrosweep.

|               |                                 |
|---------------|---------------------------------|
| Manufacturer  | Teledyne Reson                  |
| Model         | SVP 70                          |
| Serial No.    | n/a                             |
| Type          | sound velocity sensor           |
| REGISTRY-Link | <a href="#">REGISTRY (1396)</a> |

Position of Devices in Polarsterns box keel



## Contacts

| Name | Institution | Role |
|------|-------------|------|
|------|-------------|------|

|                |                                                                          |                                    |
|----------------|--------------------------------------------------------------------------|------------------------------------|
| Boris Dorschel | Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research | Data Scientist                     |
| Simon Dreutter | Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research | Engineer In Charge, Data Scientist |

## Components

Two SVP70 exist for alternating deployment. They are exchanged and send for calibration on a regular basis

| Name                                       | Model  | Serial Number | REGISTRY-Link                    |
|--------------------------------------------|--------|---------------|----------------------------------|
| Sound Velocity Probe Reson SVP70 SN4513071 | SVP 70 | n/a           | <a href="#">REGISTRY (11193)</a> |

## Position

|             |                                                       |
|-------------|-------------------------------------------------------|
| <b>Info</b> | no xyz-position given, transducer located in box keel |
| <b>X</b>    | 0.0 (no unit given)<br>(no description given)         |
| <b>Y</b>    | 0.0 (no unit given)<br>(no description given)         |
| <b>Z</b>    | 0.0 (no unit given)<br>(no description given)         |

## Data logging, storage and archiving

### Logged parameters

| Parameter      | O2ARegistry Output Type | Unit |
|----------------|-------------------------|------|
| sound velocity | sound velocity          | m/s  |

### Rawdata storage on board

### Dship

### Sound velocity transducer