

Sound Velocity Probe (MIDAS SVP)

**Attention:**

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

Summary

MIDAS Sound Velocity Profiler is used for measuring the speed along a vertical transect through the water column up to 6000m water depth. Two identical Valeport MIDAS probes exist on RV Polarstern, the second probe with serial number SN34079 serving as backup for SN41492.

Manufacturer	Valeport
Model	MIDAS
Serial No.	41492
Type	sound velocity sensor
REGISTRY-Link	REGISTRY (1395)



Transducer Frequency

Contacts

Name	Institution	Role
Boris Dorschel	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Data Scientist
Alfred Wegener Institute for Polar and Marine Research	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Owner
Simon Dreutter	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Data Scientist

Components

Name	Model	Serial Number	REGISTRY-Link
Sound Velocity Probe Valeport MIDAS	MIDAS	34079	REGISTRY (8522)
Sound velocity probe Valeport MIDAS	MIDAS	41492	REGISTRY (9206)

Position

Info	no xyz-position given, device stored in E525 and deployed when needed
X	0.0 (no unit given) (no description given)
Y	0.0 (no unit given) (no description given)
Z	0.0 (no unit given) (no description given)

Data logging, storage and archiving

Logged parameters

Parameter	O2ARegistry Output Type	Unit
sound velocity	sound velocity	m/s
water temperature	water temperature	°C
pressure	pressure	bar

Rawdata storage on board

Data archiving on land

Documentation

- [Valeport-MIDAS-SVP_datasheet \(Factsheet, 650 kB\)](#)