

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.

Manufacturer	Valeport
Model	MIDAS
Serial No.	31665
Type	sound velocity sensor
REGISTRY-Link	REGISTRY (8566)



Transducer Frequency

Contacts

Name	Institution	Role
FIELAX GmbH	FIELAX Gesellschaft für wissenschaftliche Datenverarbeitung mbH	Engineer In Charge

Components

The sound velocity probe consists of the probe, the mounting cage and the computer (XPC3 in dry lab) with the installed software DataLog Express. RS232 interface connects the computer to the probe. The sound velocity profiles can be transferred to the computer of the multibeam echo sounder EM712 via the computer network.

No subdevices available.

Position

Info	no xyz-position given. The device is stored in the laboratory on the main deck.
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
pressure	pressure	bar
sound velocity	sound velocity	m/s
water temperature	water temperature	°C

Rawdata storage on board

DShip

Data archiving on land

Documentation

- [Valeport-MIDAS-SVP_datasheet \(Factsheet, 650 kB\)](#)
- [Valeport MIDAS SVP hardware manual \(User Manual, 214 kB\)](#)
- [Valeport_MIDAS_software_Datalog_X2 \(User Manual, 4 MB\)](#)
- [MIDAS SVP Calibration certificate \(Calibration Certificate, 574 kB\)](#)
- [RV Heincke MIDAS SVP Support Manual \(User Manual, 1 MB\)](#)
- [MIDAS SVP Calibration certificate 2024 \(Calibration Certificate, 394 kB\)](#)