

GPS Wave Buoy (GPS Waverider)

**Attention:**

Please note that operations of the GPS Wave Buoys (GPS Waverider) require experienced scientific staff on board. The system is not operated by the ship's crew. Announce operations with the system to AWI-Logistics prior to the cruise and clarify the data transfer after the cruise.

Summary

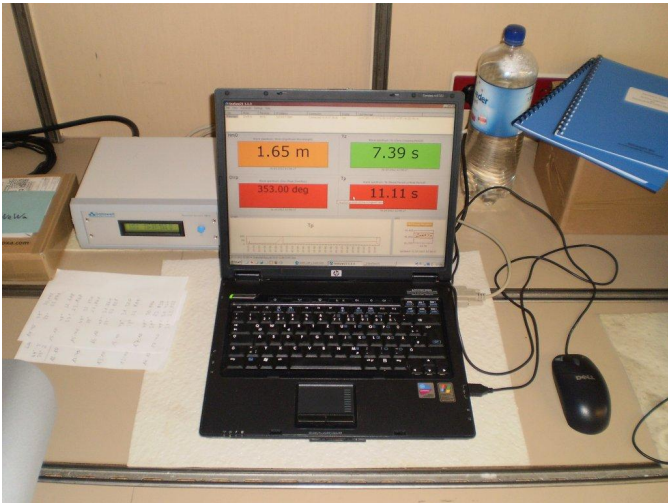
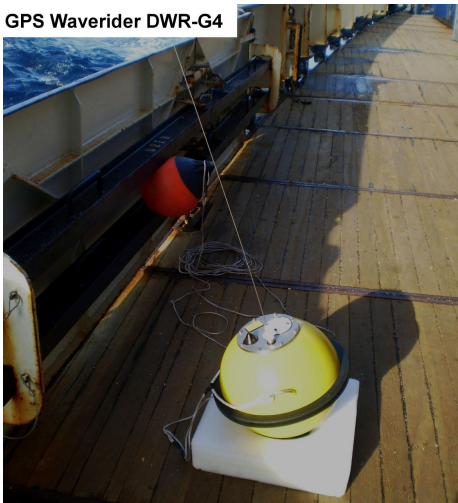
The directional waverider DWG-G4 measures wave motion, height and direction. Temperature may also be obtained. The waverider is deployed when needed. The antenna is fixed installed in the upper mast platform. The receiver and operation laptop running software SeaSaw 21 are positioned in aerologie lab A-112.

Manufacturer	Datawell
Model	DWR-G4
Serial No.	n/a
Type	buoy
REGISTRY-Link	REGISTRY (1420)

GPS Waverider DWR-G4



GPS Waverider DWR-G4



Contacts

Name	Institution	Role
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Ralf Kroker	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Data Provider
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Components

Position

Info	no xyz-position given, Device is stored in E525 and deployed when needed. The antenna is installed on a fixed position on the mast platform.
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
wave position latitude	latitude	deg
wave position longitude	longitude	deg
wave amplitude	amplitude	m
wave frequency	frequency	Hz

Central geographical ship's position and time standard

Rawdata storage on board

Documentation

- [Waverider DWR-G4 brochure \(Factsheet, 211 kB\)](#)
- [Datawell Waverider Reference Manual \(User Manual, 3 MB\)](#)
- [SeaSaw Software for Datawell Waverider Buoys \(User Manual, 267 kB\)](#)