Datawell BV

News Bulletin

December, 2018

Compact Air Temperature will be available as of January 2019

As of January 2019, Datawell will introduce a new meteorological parameter on the Waverider.

The newly developed **Compact Air Temperature (CAT4)** option integrates the HF antenna, flashlight and an air temperature sensor. The air temperature sensor applies a novel concept, which corrects the measured temperature for (solar) radiation and detects adverse effects like evaporation.

The CAT4 antenna measures the air temperature at approximately two meters above the sea surface, complementing the wave measurements.

The CAT4 option is available on all Waverider buoys, except for the DWR-G4.
The CAT4 antenna is not interchangeable with the HF/Flashlight antenna. Also, to upgrade existing buoys, hardware and firmware updates are required.
More technical information and FAQ will be made available on the Datawell website.

When interested in this new option, please contact our sales department (sales@datawell.nl) for availability and pricing.

Power switch standard on all Waverider buoys.

Since the introduction of the DWR4 buoys, these buoys have been equipped with a standard power switch. This standard integration of the power switch has resulted in positive reactions from customers.
Up till now, the power switch was an option on the DWR-MKIII, DWR-G and WR-SG, but as the demand for it increased, we have now decided to equip all buoys purchased after January 1, 2019 with the power switch.

Please note: the power switch is not available for the DWR-G4.

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New Waves4 release

The new 5.2.0 release of Waves4 is available. This release improves the support for the new CAT4 option:

- Loading DMF files stored the MkIII CF logger card
- Support for the CAT4 option on the DWR4 (DWR-MKIII already supported)
- Added a CAT4 version information widget

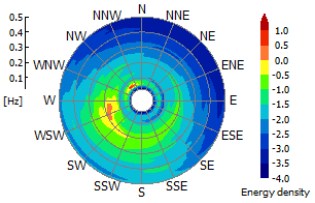
The usability of Waves4 has been improved. When a new campaign is selected, Waves4 provides at-a-glance views of key parameters and widgets ("dashboard" or template). This reduces the number of actions the user has to take to see the buoy data. When loading files, Waves4 automatically opens a set of key widgets based on the type of file loaded. Other usability improvements are:

- Minor tweaks of the user interface
- The option to export the content list of the widgets to CSV files
- Added several new widgets

Waves4 is available on the following platforms:

- Linux support for Debian Jessie and Stretch, and Ubuntu Trusty, Xenial and Bionic
- Windows support for Windows 7, 8, and 10.

Simultaneously, a new release of the libDatawell library is available (version 0.32.0). The 5.2.0 version of Waves4 is available on our website: http://datawell.nl/Support/Download.aspx



Transferring from light/dark detection to GPS detection on Waverider buoys

As also explained in the October 2017 News Bulletin, we have decided to introduce the GPS light detection system for all our Waverider buoys where it was previously only available for the DWR4. A sunrise/sunset-algorithm based on the GPS position and time decides whether the LED flasher should be ON or OFF.

Should you desire to have this GPS light detection system installed on your current hatchcover (serial numbers starting with 70xxx, 71xxx and 72xxx), this unit will have to be returned to Datawell. Please contact Datawell service department (servdept@datawell.nl).

Hatchcovers produced after October 1st 2017 already have the GPS light detection system installed. We again stress that no change in the design of the antenna is made, which means that antennas are completely interchangeable.

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New safety line for 50mm rubber cord

Apart from our 27mm and 35mm rubber cords intended for Waverider mooring, Datawell also provides 50mm rubber cords for the mooring of large navigational buoys or other purposes. The 50mm cord can be equipped with a safety line; our standard has always been 10mm Dyneema.

Recently, we noticed customer interest for a stronger safety line and applied16mm Dyneema. With several requests in line we have decided to make this customer specific design available for all customers.

Thus we can now offer this 50mm rubber cord with 16mm Dyneema safety line to all those who are interested. Please contact our sales department (sales@datawell.nl) for pricing and availability.

35mm/30m Rubber cord available in harder compound

Since the introduction of the Wavec, the first commercial available directional buoy in the eighties, Datawell has supplied rubber cords in a harder (60 Shore A) compound. At the introduction of the Directional Waverider, the Wavec became obsolete and these harder rubber cords were less in demand.

However, every now and then we do get a request from customers for these 60 Shore A lines and we have always been able to supply these cords. Last year, stock of the harder rubber cords was running low and we had to disappoint some users unfortunately. Therefore, we are happy to announce that we have restocked these 60 Shore A cords and are again able to supply.

60 Shore A lines are available in 35mm and 50mm diameters with all well-known safety lines.

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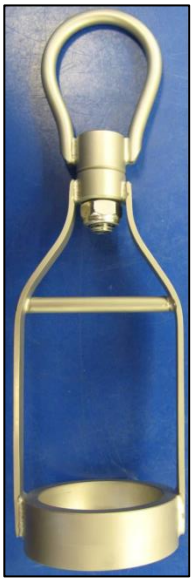
Rubber cord with swivel on both ends available

In 2016 Datawell introduced rubber cords with a specially designed swivel terminal instead of a regular terminal. The standard Waverider mooring can be applied to almost all situations. However, under some circumstances the mooring line can get twisted and tangled up. This phenomenon is usually caused by the 10Kg float that twists around the rubber cord, limiting the stretch of the rubber cord and afflicting damage to the rubber cord.
In our experience, this situation is most present in locations where the buoy is submitted to a lot of tidal movements in shallow waters.
Extensive tests have resulted in a solution to reduce the twisting of the mooring line;
A special rubber cord terminal with an integrated swivel. This swivel will help reduce rotation of the rubber cord.

Now, 2 years later, we noticed customer interest for rubber cords with swivel terminals on both ends of the cord. Although this is superfluous for our mooring system (as there already is a swivel present in the chain coupling), we have decided to make this design available upon request.



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