



Star-Oddi opening hours during Easter



Our offices will be closed from April 17th to 21st, both days included. We'll also be closed on April 24th and May 1st due to national holidays.

Greatly increased memory extension available for DST milli-TD Temp-Depth Recorder



Star-Oddi introduces a new memory extension for the DST milli-TD. The memory extension has been double increased to 1,4 million measurements in total. The memory is split between temperature and depth measurements. Customers can still order the logger with lower memory capacity in case the large memory is not needed.

For over a decade Star-Oddi has been producing the DST milli-TD data logging tag. Since that time it has been used in a variety of different research projects for collecting time series of temperature and depth.

The logger's dimensions are 39.4 mm in length x 13 mm diameter, making it ideal for tagging of fish and marine animals, attaching to fishing gear or profile measurements of a water column to

name a few.

Temperature accuracy is better than $\pm 0.1^{\circ}\text{C}$. Depth accuracy depends on the range selected, it is ± 40 cm for a 100 m calibration range for example. Various depth ranges are available.

Star-Oddi offers a plastic protective housing that gives more flexible mounting options and protects the logger against impact when used in demanding environments.

See the [DST milli-TD product page](#).

Implantable heart rate loggers in fish



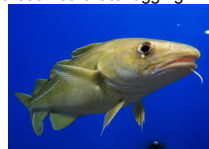
Star-Oddi has added a heart rate sensor to its DST (Data Storage Tag) sensors. Originally developed for implantation in non-aquatic mammals, these heart rate logging tags have been tested in fish in captivity with good results.

The ECG derived heart rate information can, for example, be useful in physiology and metabolic studies in fish. In addition to measuring heart rate (beats per minute) temperature is also recorded. The electrodes are part of the housing material (leadless) so the tags can be implanted quickly in the

peritoneal area. The logger takes a burst measurement on any set time interval and calculates the mean heart rate for each recording. For validation purposes, each individual burst is graded with a certain quality index (QI) accessible in the accompanying application software.

The logger is available in two sizes, micro size 25.4 mm x 8.3 mm, and milli size, 38.4 mm x 13 mm.

For more information and video showing implantation visit the [DST milli-HRT](#) and [DST micro-HRT](#) product websites.



Blocking the way to a healthy future for UK fish populations

Kira Coley from our UK distributor, Planet-Ocean Ltd, is contributing an article in this month's newsletter.

In the hope of finding solutions in the renewable energy movement, there is a danger of overlooking the long-term impacts which modifications to the natural environment may cause. Much of the issues around anthropogenic activities has been focused on oceanic environments, when there are real dangers of population collapses much closer to home in the rivers and lakes across the UK.




Despite being less than 0.5% of the world's water in terms of area, freshwater habitats support 40% of all aquatic species. However, due to their close proximity to mankind and the increased modification to natural river habitats, freshwater fish species outnumber marine ones on the IUCN Red List by 84%. Fish are not only a sign of a healthy river, but also act as an indicator for wider changes in the environment. Read the full article [here](#).

Published research using our sensors



You can view an extensive collection of scientific papers and posters using our sensors in various types of aquatic and fisheries research which can be found on our website. To view the research, please click on the following [link](#).

Great offers on ebay!

 We have added plenty of loggers or our ebay page. There is a variety of products for sale such as recorders' software and starter kits (recorder + communication box/cable + Application software).

Click [here](#) to view our offers.

*Please note that as the recorders sold on eBay are "in stock" items we cannot guarantee full battery life and calibration accuracy may vary from the Technical specifications.

Fun fact: Festival summer in Iceland



After a few year dry spe following the financial crash, Iceland has once again become a popular destination for international music festivals and artists.

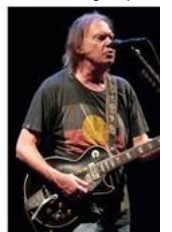
The season kicks off in

June with two big events, a concert with the American rock group the Pixies and the [Secret Solstice festival](#). The festival is being held for the first time during you guessed it, the summer solstice, June 20-22.

The festival will feature a host of both Icelandic and international artists, the biggest being the British electro group Massive Attack. Keeping with the summer solstice tradition, the festival will have a Norse mythology theme with stage names such as Asgard and Valhalla.

On July 10-12, the [All Tomorrow's Parties music festival](#) will be held for the second time at the abandoned Nato base near Keflavik international airport. This year the festival will be headlined by the American rock group Interpol and the British band Portishead. The legendary Neil Young will also take part in festival and will give a concert in Reykjavik on July 7th.

The summer will then be topped off by the pop superstar Justin Timberlake who will perform in a concert near Reykjavik on August 24th.










Data Storage Tags - DSTs

Star-Oddi has been manufacturing and developing DSTs since 1993. The data loggers are used for various studies, such as fish tagging, fishing gear studies and oceanography. You can find our whole product range [here](#). The following sensors are available:

If you have a story or research to share with us, [please contact us](#).



-  Temperature
-  Pressure
-  Conductivity
-  Tilt
-  Magnetic field strength
-  Acoustic receiver
-  Light intensity

Star-Oddi Online

Now you can find product updates, video tutorials and general information about Star-Oddi on:



Star-Oddi | Skeidaras 12 | 210 Gardabaer | Iceland | Tel: +354 533 6060 | [Contact](#) | www.star-oddi.com

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