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INSTRUMENTS LLC

Lowell Instruments Newsletter

In this Fall 2020 newsletter:

- **Firmware Update**
- **Lobster Fleet Study in Cape Cod**
- **EcoMagazines Polar Edition**
- **Our new staff member**

WE REMAIN OPEN DURING THE PANDEMIC:

We are hoping our customers have stayed safe and healthy during this time. Our office hours are irregular these days, so email is the best way to reach us:
sales@lowellinstruments.com
-or-
info@lowellinstruments.com

 **LOWELL**
INSTRUMENTS LLC

Tilt Current Meters

- Low Cost
- Accurate
- Rugged Design
- Small & Light
- Long Battery Life
- Large Memory

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FIRMWARE UPDATE AVAILABLE:

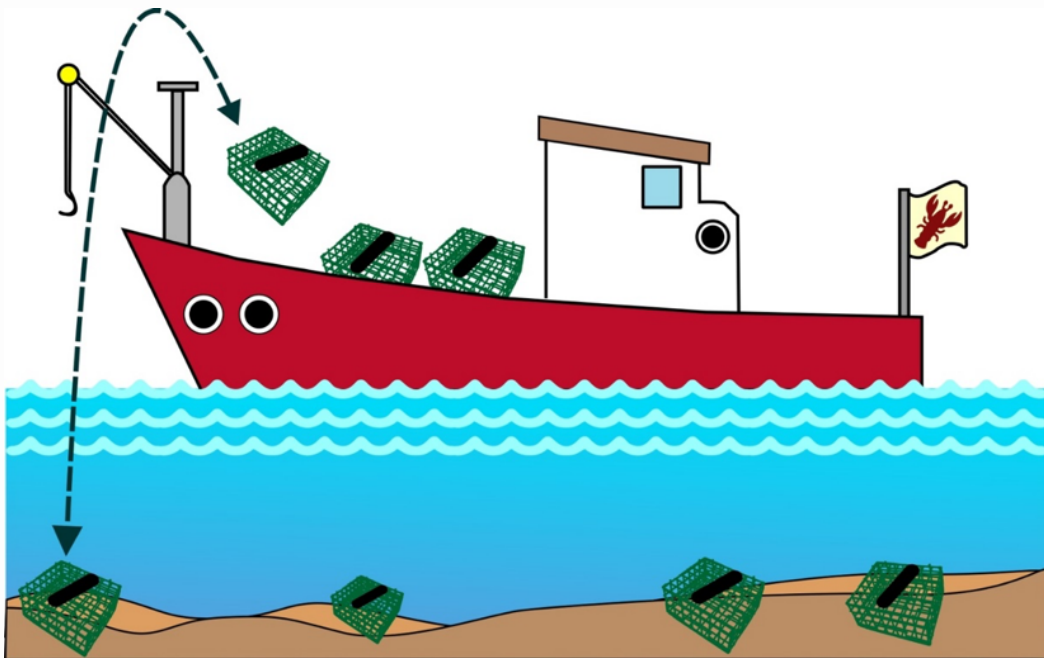
If you purchased a meter from us this summer...your logger may need a firmware update. If you haven't heard from us already, you can go [here](#) to update the firmware. Please [contact us](#) if you have any questions.

STUDY TO MONITOR DISSOLVED OXYGEN LEVELS WITH LOBSTER FLEET IN CAPE COD BAY

Lowell Instruments LLC, has partnered together with the [Lobster Foundation of Massachusetts](#), [Massachusetts Lobsterman's Association](#), and the [Massachusetts Division of Marine Fisheries](#) (MA DMF) to launch a study with a fleet of lobster boats, to monitor dissolved oxygen (DO) levels in [Cape Cod Bay](#). This study is in response to hypoxic conditions (lack of oxygen) that occurred in Cape Cod Bay in the fall of 2019, when fishermen were pulling up their traps and found a large number of dead lobsters. Lowell Instruments has created a new Bluetooth enabled data logger that mounts inside the lobster traps, and records DO levels and temperature while the trap is underwater. As the lobstermen pull up the traps in their normal day-to-day fishing, the sensors automatically upload the information to Lowell Instruments On-Deck Data Hub boxes on the boats. The data are then transported to the MA DMF so they can monitor fluctuating or alarming DO levels that may occur, and can notify the fishing fleet to prevent fishermen from pulling up more dead lobsters in the traps. This pilot study currently has twenty-five DO sensors in lobster traps throughout Cape Cod Bay, partnering with five different lobstermen. This new technology is helping fishermen and scientists understand what is going on in the ocean. Read the full application story [here](#).



A Lobster boat involved in the dissolved oxygen study:
Captain Mike Rego and Alex Iacono aboard Miss Lilly in Provincetown, MA.



Depiction of our new technology where our sensors are attached to Lobster traps to monitor dissolved oxygen levels.

**Our Inverted Tilt Current Meter Technology is featured in
ECO Magazines Special Polar Edition!**

Read the article about our Inverted Tilt Current Meters in Greenland in ECO's special digital edition [here](#).

The image shows the cover of the 'eco' magazine, 'POLAR 2020' special issue. The cover features a large photograph of a massive ice wall meeting the sea, with a colony of birds perched on the ice. The magazine title 'eco' is prominent, along with the subtitle 'environment coastal & offshore' and the tagline 'SCIENCE | REGULATION | ASSESSMENT | MITIGATION | RESTORATION'. Logos for APECS, ARCTIC CIRCLE, and SCAR are visible at the bottom. The article 'Inverted Tilt Current Meters Under Land-Fast Ice in Greenland' by Lowell Instruments LLC is highlighted on the cover.

LOWELL INSTRUMENTS IS GROWING



This fall we expanded our staff to welcome Guy Knapp, our new Technical Associate. Guy has degrees in Math and Economics from [Tulane University](#) in New Orleans in 2019. He has been helping out with odd jobs while he waits for his covid-

deferred masters program Ecological Economics at The University of Edinburgh to begin. He is currently doing scientific writing and data analysis. Read Guys full bio [here](#).

TOOL TIP:

Have you thought about replacing batteries on your current meters recently?

Batteries should be checked and replaced if needed before deployment. Generally, our batteries last one year. It's easy to replace them with a battery replacement tool kit and replacement batteries available for purchase: [ACCESSORIES](#)

Lowell Instruments is committed to creating tools and solutions to help you with your research. We want to hear from loyal customers like you. **Follow us on Twitter at [@Lowell Inst](#) or [Facebook](#) and let us know what you think about our products** and customized support.

Thanks,
Nick Lowell, Founder & President

We created this newsletter so that our customers can stay informed about the latest updates from Lowell Instruments.

Thank you for reading! If you wish to opt out you may [unsubscribe](#) at any time.