AML-3

The AML-3 series of instruments is a highly configurable family of multiparameter sondes designed for a wide range of data collection applications. The '3' designation refers to the number of sensors that may be simultaneously installed on the instrument's endcap. Additional sensors may be connected externally, allowing up to 5 sensors in total.

Typical Configurations include:

- Sound Velocity Profiling (SVP)
- Sound Velocity and Turbidity Profiling (SVP Tu)
- Conductivity Temperature & Depth (CTD)
- Sound Velocity / Conductivity Temperature & Depth (SVCTD)

The AML-3 comes in the AML-3 LGR and the AML-3 RT. While nearly identical in size and form factor, the two configurations differ in a few key features which specialize them for their respective applications:

- The LGR designation (ie. AML-3 LGR) are self-powered via a rechargeable internal battery and have a mechanical on/off switch adjacent to their shackle. These instruments are most commonly used for multiparameter profiling applications and internally log sensor measurements and transfer data post-deployment.
- The RT designation (ie. AML-3 RT) stream data while in-situ (though they have the ability to internally record data as well). Power and communication to these instruments is facilitated via a waterproof connector located adjacent to the shackle.

| WiFi | GPS | Rechargable | USB | 500 m Depth Rating | 6,000 m Depth Rating |

Max. Depth	500m	6000m
Number of Ports	3 (Option for up to 5)	3 (Option for up to 5)
Biofouling Protection	Street Lamp UV	N/A
Communication	WiFi, USB-C, RS232	USB-C, RS-232
Input Voltage	8-30 VDC	8-30 VDC
Pressure Housing	Acetal	Titanium
Protective Cage	Stainless Steel (Optional: CuNi)	Stainless Steel (Optional: CuNi)
Dimensions	332 x 76 mm	400 x 100 mm
Weight in Air	1.36 kg	2.4 kg
Weight in Water	0.69 kg	1.3 kg
Software	Sailfish	Sailfish

Available in 2021

Key Benefits:

- **Three X2 series Interchangeable Ports:** Ability to custom configure a single instrument for multiple applications
- **Magnetic On/Off Switch:** Configure Now, Power & Deploy Later
- **Integrated WiFi & GPS:** Transfer data wirelessly
- **USB Connectivity:** Recharge battery and connect via USB
- **Integrated UV Biofouling (Optional):** Maintain consistent data quality & Decrease maintenance intervals
- **Sailfish Software:** Download, process, and export profiles automatically