

AML-3

The AML-3 series 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.

Common configurations include:

- Sound Velocity & Pressure (SVP)
- Sound Velocity, Turbidity & Pressure (SVP Tu)
- Sound Velocity, Conductivity & Temperature & Depth (SVCTD)
- Conductivity Temperature & Depth (CTD)

The **LGR** versions (ie. AML-3 LGR) are self-powered via a rechargeable internal battery and have a mechanical on/off switch on the bulkhead. The AML-3 LGR is most commonly used for vertical profiling of the water column with internal logging of sensor measurements and seamless data transfer via WiFi or USB on recovery.

The **RT** versions (ie. AML-3 RT) stream data while in-situ. External power and communication to these instruments are facilitated via a bulkhead connector. The AML-3 RT is commonly used in moored applications, buoys, underwater observatories, and ROVs and AUVs.

The **XC** version is a combination of both types of designations. Providing even more flexibility, it can internally record data and has the option of streaming data in real time. The AML-3 XC is versatile and can be used in a diverse range of applications.



WiFi



GPS



Rechargeable



USB



Depth Rating



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Max. Depth	500 m	6000 m
Number of Ports	3	3
Biofouling Protection	Street Lamp UV (Optional)	N/A
GPS	LGR: Yes RT: No XC: No	LGR: No RT: No XC: No
Communication	LGR: WiFi, USB-C RT: RS232 & USB-C XC: RS232 & USB-C	LGR: USB-C RT: RS232 & USB-C XC: RS232 & USB-C
Input Voltage	8-30 VDC	8-30 VDC
Pressure Housing	Acetal	Titanium
Protective Cage	Stainless Steel	Stainless Steel
Dimensions	Sm Cage: 343 x 76 mm Md Cage: 398 x 76 mm Lg Cage: 464 x 76 mm	Sm Cage: 343 x 76 mm Md Cage: 398 x 76 mm Lg Cage: 464 x 76 mm
Weight in Air	1.4 kg	2.5 kg
Weight in Water	0.7 kg	1.9 kg
Software	Sailfish	Sailfish

Key Benefits:

- **Three X2-Series Interchangeable Ports:** Ability to custom configure a single instrument for multiple applications
- **Magnetic On/Off Switch:** Configure now, power and deploy later (LGR & XC version only)
- **Integrated WiFi & GPS:** Transfer data wirelessly (LGR 500 m version only)
- **USB Connectivity:** Recharge battery and connect via USB
- **Integrated UV Biofouling:** Maintain consistent data quality & decrease maintenance intervals (Optional on RT & XC 500 m version only)
- **Sailfish Software:** Configure, download, process, and export profiles automatically