

AML-6

The AML-6 series is a highly configurable family of multiparameter sondes designed for a wide range of data collection applications. The '6' designation refers to the number of X2-Series sensors that may be simultaneously installed on the instrument's endcap. Additional sensors may be connected externally, allowing up to eight sensors in total.

The **LGR** versions (ie. AML-6 LGR) are self-powered via a rechargeable internal battery and have a mechanical on/off switch on the bulkhead. The AML-6 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.

A common LGR configuration includes:

- Sound Velocity, Pressure, Conductivity & Temperature, Chlorophyll A, Turbidity, & Dissolved Oxygen (SV, P, CT, ChIA, Tu, DO)*

The **RT** versions (ie. AML-6 RT) stream data while in-situ, although they also have the ability to internally record data. External power and communication to these instruments are facilitated via a bulkhead connector in lieu of a mechanical switch. The AML-6 RT is commonly used in buoys, moored applications, underwater observatories, and ROVs and AUVs.

A common RT configuration includes:

- Conductivity & Temperature, Pressure, Turbidity, pH, Chlorophyll A, & Dissolved Oxygen with UV protection (CT, P, TRB, pH, ChIA, DO w/UV)*



WiFi



GPS



Rechargeable



USB



Depth Rating



Depth Rating

*Reconfigurable at user convenience.

Max. Depth	500 m	6000 m
Number of Ports	6 (Option for up to 8)	6 (Option for up to 8)
Biofouling Protection	Street Lamp UV (Optional)	N/A
GPS	LGR: Yes RT: No	LGR: No RT: No
Communication	LGR: WiFi, USB-C RT: RS232 & USB-C	LGR: USB-C RT: RS-232, USB-C
Input Voltage	8-30 VDC	8-30 VDC
Pressure Housing	Acetal	Steel Reinforced Acetal
Protective Cage	Stainless Steel (Optional: CuNi)	Stainless Steel (Optional: CuNi)
Dimensions	600 x 100 mm	600 x 100 mm
Weight in Air	4.0 kg	4.9 kg
Weight in Water	2.1 kg	2.8 kg
Software	Sailfish	Sailfish

Key Benefits:

- **Six 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 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 500 m version only)
- **Sailfish Software:** Configure, download, process, and export profiles automatically