Profiling floats

ARVOR L



Autonomous ARGO profiling float with Argos transmission Salinity -Temperature - Pressure



ARVOR L provides salinity, temperature and pressure profiles up to 2000 meters depth. Data and positioning are achieved ARGOS satellites. Mission with two depth values alternated and grounding avoidance function are settable by user before mission

With self-ballast and very light design, **ARVOR L** can be deployed by one person.

It capitalises on both the know-how of Ifremer in floats activities and designing qualified subassemblies and of nke on industrial product development.

Bluetooth technology enables easy configuration before mission.

Qualified technology for ARGO project :

- · Sea Bird electronics proven CTD metrology
- Self-ballasted float
- One cycle is @2000 m, 10 days , 112 points
 - Up to 190 cyles in average CTD acquisition
 - Up to 250 cycles in ECO Ifremer MODE
- Argos Doppler positioning
- Easy connectivity using RF Bluetooth
- Fully operational, light and easy to deploy float
- Weight less than 20 kg





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ARVOR L

Duration on surface according latitude between 6 to 8 hours

0.001 PSU

0.001°C

0.1 dbar

Resolution of transmitted measurements:

Temperature -20° C to $+70^{\circ}$ C (-4° F to $+158^{\circ}$ F) Maximum storage time before use: 1 year Real time clock saved by separate battery

Salinity

Pressure

Temperature

STORAGE CONDITIONS

rofiling floats

Data collection with ARGOS transmission and positioning



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