

APEX[®] Profiling Float

The World's Most Versatile Drifting Profilers



- ARGO
- BIOGEOCHEM
- ADVANCED MULTI-SENSOR
- CURRENT PROFILER
- DEEP



APEX® Autonomous Profiling Floats remain the most cost effective, yet advanced, profiling floats available. Teledyne Webb Research (TWR), a proud member of Teledyne Marine, is committed to designing and manufacturing the most reliable profiling floats on the market. Our customer support team is ready to assist in every stage of your effort. Its your research, its your choice - TWR is ready to aid in your success.

From the poles to the equator, shallow or deep – Teledyne Webb Research and APEX are up to the challenge.



Argo
The Argo standard profiling float. 50% of all Argo floats are APEX. Choose Argos or Iridium with GPS.

Core Argo, WBC

SPECIFICATIONS

Hull	
Aluminum (maximum depth: 2000m)	Standard
Carbon Fiber (maximum depth: 2000m)	Optional
Glass Sphere (maximum depth: 6000m)	N/A
Communications/Telemetry	
Argos	Standard
Iridium Circuit Switch/RUDICS	Optional
Iridium Short Burst Data (SBD)	Recommended Option
Energy	
Alkaline Batteries	Standard
Lithium Primary (Non-Rechargeable)	Optional
Features (Configuration Dependent)	
Air Deployable	Optional
Volunteer Observing Ship (VOS) Package	Optional
Ice Avoidance	Optional
Surface Temperature	N/A
Compensator - Recommended Near Equator	Optional
Handles	Optional
Wood Shipping Crates (International)	Standard
Molded Shipping Crates	Optional
Sensors	
Conductivity - Temperature - Depth (CTD)	Sea-Bird SBE-41, RBR argo
Temperature - Depth (TD)	N/A
Dissolved Oxygen	N/A
Fluorometers	N/A
Radiometers	N/A
Transmissometer	N/A
pH	N/A
Carbon Dioxide	N/A
Nutrients	N/A
Acoustics	N/A
Custom sensor integration	N/A



BIOGEOCHEM (BGC)

Our most frequently requested sensor configuration in one package.

Bio-Argo, Polar, WBC



Advanced Multi-Sensor

For researchers who want more. APEX AMS offers unique integration rings top/ bottom for maximum flexibility.

Bio-Argo, Coastal, Polar, WBC



Current Profiling

The APEX Electro-Magnetic (EM) helps researchers gather greater details on motion within the water column.

Coastal, Polar, WBC

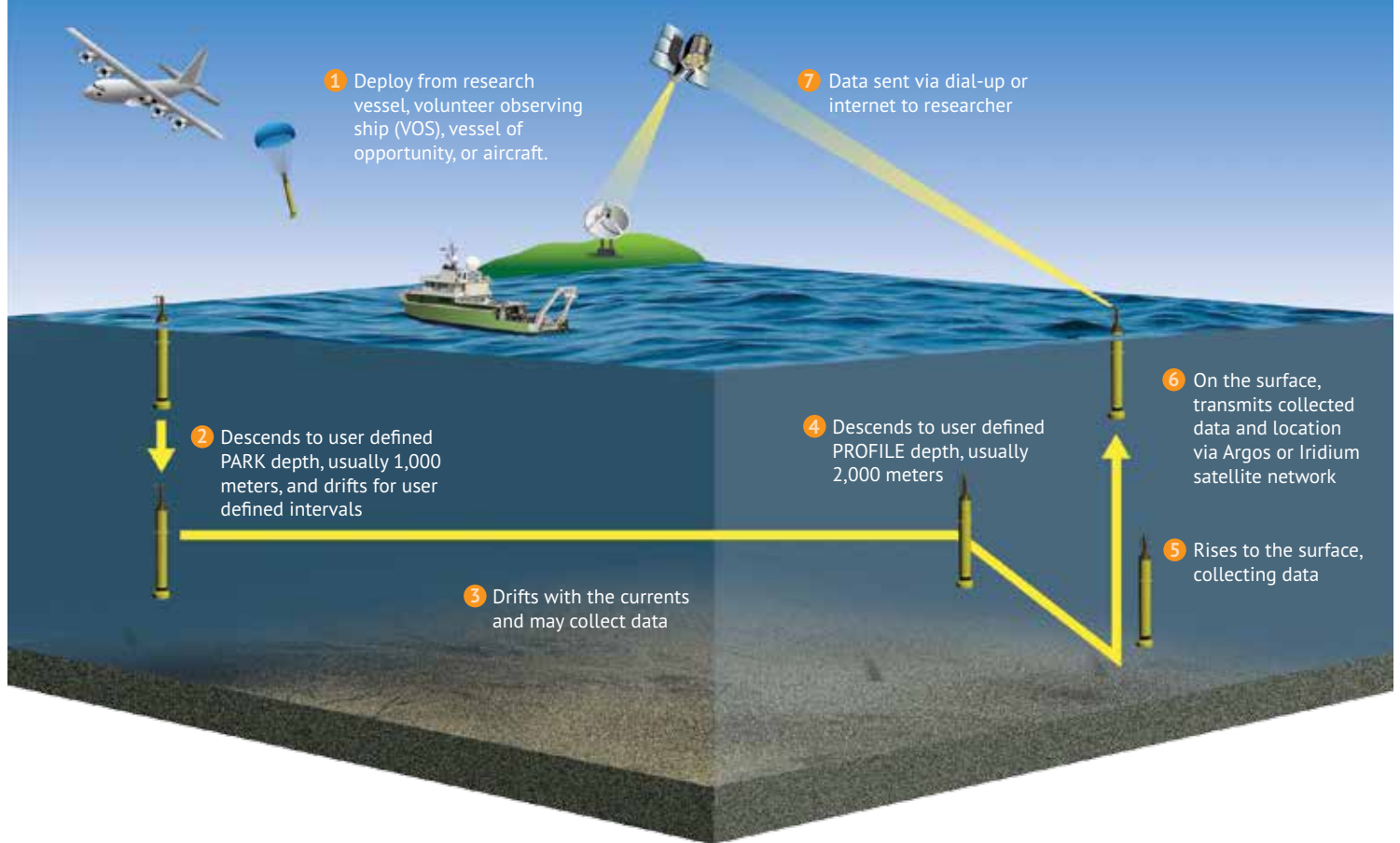


Deep

Take ocean measurements to new depths. Rated to 6,000 meters, APEX Deep is your cost effective deep ocean profiler.

Deep Argo

Standard	N/A	N/A	N/A
Optional	Standard	Standard	N/A
N/A	N/A	N/A	Standard
N/A	N/A	N/A	N/A
Standard	Standard	Standard	Standard
Optional	Optional	Optional	Optional
N/A	N/A	N/A	N/A
Standard	Standard	Standard	Standard
Optional	Optional	Optional	N/A
Optional	Optional	Optional	N/A
Optional	Optional	Optional	Optional
Optional	Optional	Optional	N/A
Optional	Optional	N/A	N/A
Optional	Optional	Optional	Standard
Standard	Standard	Standard	Standard
Optional	Optional	Optional	Optional
Sea-Bird SBE-41CP, RBR argo	Sea-Bird SBE-41CP, RBR argo	Sea-Bird SBE-41CP	Sea-Bird SBE-61
N/A	RBR	N/A	N/A
Aanderaa 4330, RINKO ARO-FT	Aanderaa 4330, RINKO ARO-FT	Aanderaa 4330, RINKO II ARO-FT	Aanderaa 4831, RINKO III ARO-CAV
WET Labs FLbb	WET Labs FLbb (CD)	WET Labs FLbb (CD)	N/A
N/A	Satlantic 504	N/A	N/A
N/A	WET Labs C-Rover	N/A	N/A
Optional SBE Float Deep SeaFET™	SBE Float Deep SeaFET™	SBE Float Deep SeaFET™	N/A
N/A	When Available	N/A	When Available
N/A	Satlantic SUNA	N/A	N/A
N/A	RAFOS	N/A	N/A
N/A	Optional	Optional	Optional



Argo Network

Sustain the world Argo network with the most reliable, cost effective, profiling float. APEX - an Argo standard. See for yourself by visiting the JCOMMOPS website at <http://www.jcommops.org>.

Argo Mission Area: Core Argo, Western Boundary Current (WBC)

Advanced Multi-Sensor (AMS)

APEX AMS is designed to provide maximum flexibility. Teledyne Webb Research combined our controller with state-of-the-art sensor integration rings. You get a profiling float capable of handling today's sensors, with the flexibility to incorporate other sensors in the future. APEX AMS allows you to start your research with the budget you have today and expand as additional technology and funding become available.

Argo Mission Area: Bio-Argo, Polar, WBC, Coastal

BIOGEOCHEM (BGC)

One of our most requested configurations is now standard. Iridium, GPS, CTD, dissolved oxygen, chlorophyll and backscatter. Optionally, CDOM and/or pH available.

Argo Mission Area: Bio-Argo, Polar

Current Profiling

Only Teledyne Webb Research offers the APEX - EM, a spinning float that directly measures water motion through induced electromagnetic currents.

Argo Mission Area: Coastal, Polar, WBC

Deep

APEX Deep can take the pressure...all the way down to 6,000 meters. For more information on APEX Deep, call us or send an email to apexdeep@teledyne.com

Argo Mission Area: Deep



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