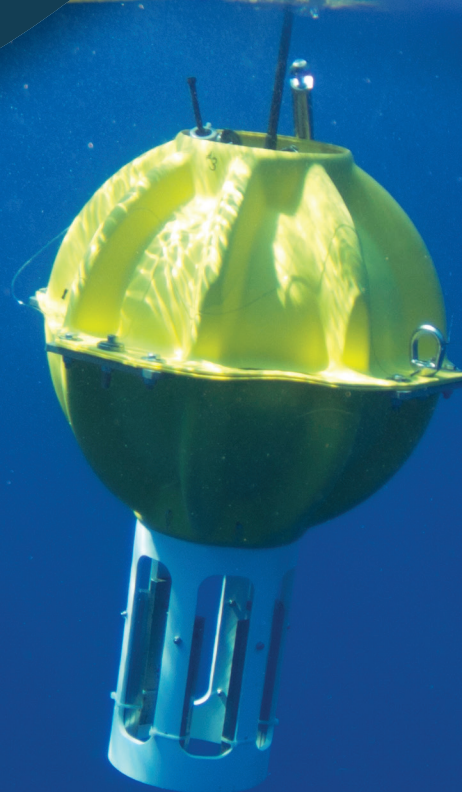


# Profiling Float

The World's Most Versatile Drifting Profilers



**TELEDYNE MARINE**  
WEBB RESEARCH  
Everywhereyoulook™

**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.**

# SPECIFICATIONS

## Hull

Aluminum (maximum depth: 2000m)
Carbon Fiber (maximum depth: 2000m)
Glass Sphere (maximum depth: 6000m)

## Communications/Telemetry

Argos
Iridium Circuit Switch/RUDICS
Iridium Short Burst Data (SBD)

## Energy

Alkaline Batteries
Lithium Primary (Non-Rechargeable)

## Features (Configuration Dependent)

Air Deployable
Volunteer Observing Ship (VOS) Package
Ice Avoidance
Surface Temperature
Compensator - Recommended Near Equator
Handles
Wood Shipping Crates (International)
Molded Shipping Crates

## Sensors

Conductivity - Temperature - Depth (CTD)
Temperature - Depth (TD)
Dissolved Oxygen
Fluorometers
Radiometers
Transmissometer
pH
Carbon Dioxide
Nutrients
Acoustics
Custom sensor integration



## Biogeochemical (BGC)

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



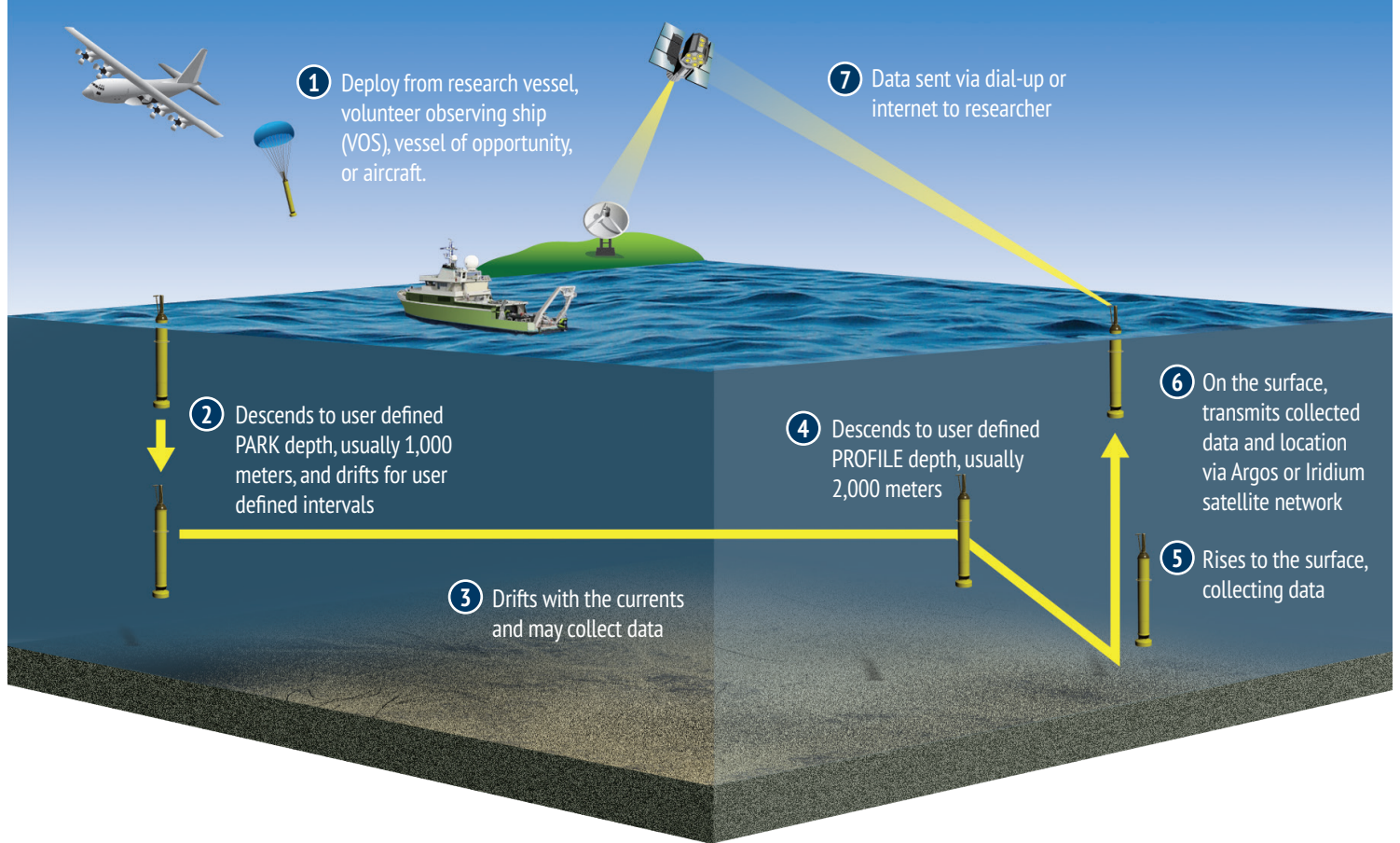
## Deep

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

Deep Argo

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





## Biogeochemical (BGC)

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

## 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](mailto:apexdeep@teledyne.com)

**Argo Mission Area:** Deep



**TELEDYNE MARINE**  
**WEBB RESEARCH**  
 Everywhere you look™

[www.webbresearch.com](http://www.webbresearch.com)

49 Edgerton Drive, North Falmouth, MA 02556 USA

Tel. +1 508-548-2077 • E-mail: [webbresearch@teledyne.com](mailto:webbresearch@teledyne.com)

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