

APEX 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.

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

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
Acoustics
Custom Sensor Integration
Nitrates
Micro-Current



APEX Float (with a helical antenna)

The Argo standard profiling float. 50% of all Argo floats are APEX.

Core Argo



Biogeochem (BGC)

Apex Float with biogeochemical sensor options in one package.

Bio-Argo, Polar



Current Profiling

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



Deep

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

Deep Argo

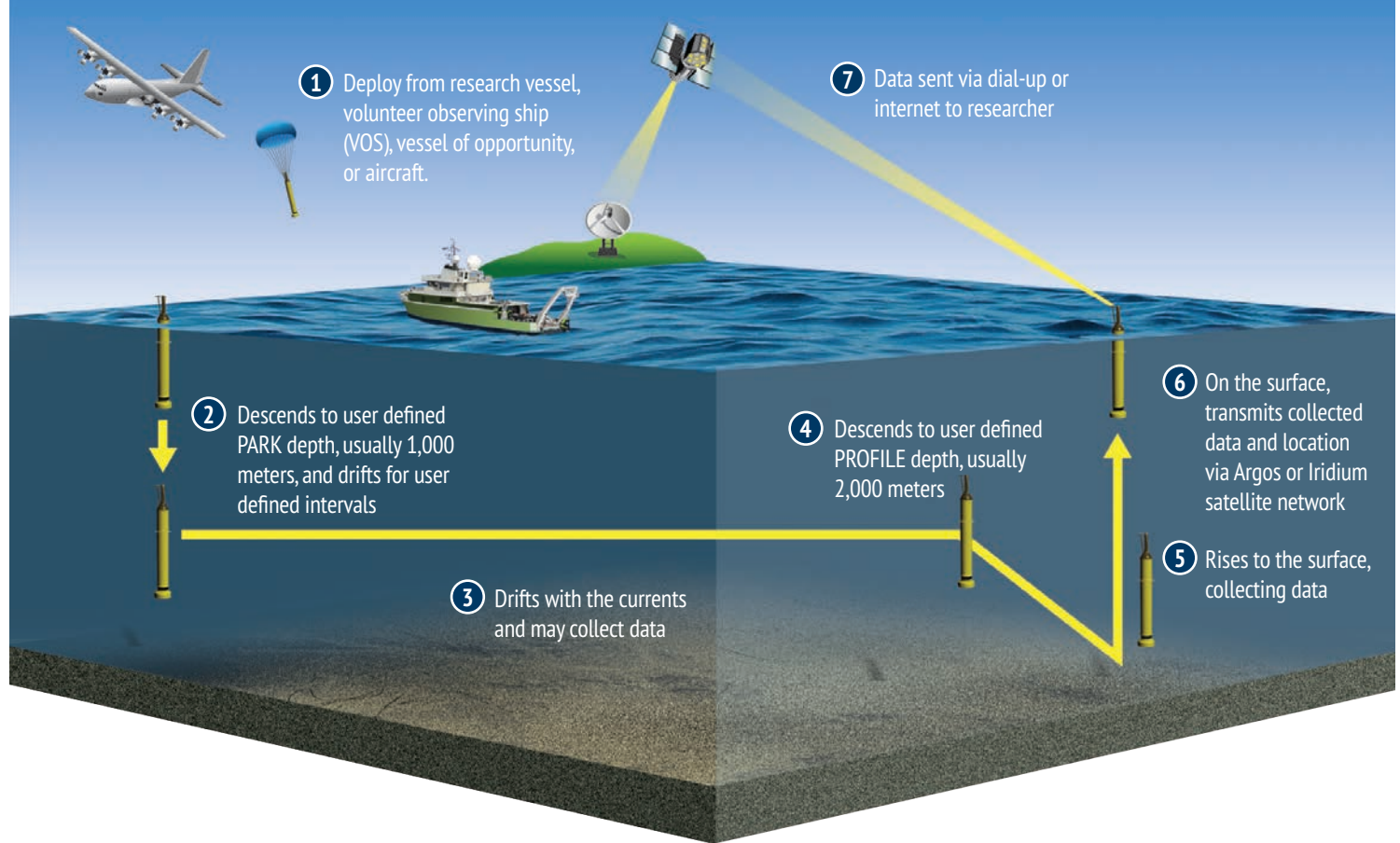
Standard	Standard	N/A	N/A
Optional	Optional	Standard	N/A
N/A	N/A	N/A	Standard

Optional	Standard	Standard	Standard
Optional	Optional	Optional	Optional

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



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 OceanOPS website at www.ocean-ops.org.

BIOGEOCHEM (BGC)

The Argo BGC sensor suite is available: CTD, dissolved oxygen, nitrate, irradiance radiometer, chlorophyll and backscatter. Other options are available such as pH, CDOM and RAFOS. Please contact us for a quote for whatever combination that you need. All are available for under ice also.

Air Deployable Options Available (except for Deep).

Current Profiling

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

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



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