

# PABLO

- Acoustic Iridium® profiling float
- Bi-directional communication
- Acoustic profiles to 1,000m
- Real-time data



DEFENCE & SECURITY

The PABLO Iridium® profiling acoustic float was designed and tested to measure environmental acoustic ambient noise in order to detect the presence of marine mammals and to assess the impact of noise pollution. In addition, it can be used to detect subsurface assets and for military applications.

PABLO gathers acoustic profiles for the purpose of analyzing sound propagation in the top 1,000m of the ocean. Configured to collect data on a daily basis, PABLO has a long mission life, operating for close to a year while performing 300 profiles called acoustic window cycles.



# PABLO

## TECHNICAL SPECIFICATIONS

### PHYSICAL

- Height (with Iridium/GPS antenna): 57 in (145 cm)
- Diameter: 6.50in (16.50 cm)
- Weight: 48 lbs (22 kg)

### CONSTRUCTION

- Hull Material: Type II anodised aluminum casing

### OPERATION

- Operating Temperature: -2°C to 35°C (28° F to 95° F)
- Operating Life: ~300 profiles or up to ~1 year of operation
- Mission Length: Multiple missions/day (up to max. of 5)
- Pressure at Parking Depth: 40 bar to 100 bar (~400 to 1000m depth)
- Depth Maintenance Accuracy: 25m ±2.5 bar (adjustable)
- Power Supply: 30D Lithium Cells (IATA Certified)

### STORAGE CONDITIONS

- Temperature: -20°C to 50°C (-4°F to 122°F)
- Time Before Use: ≤ up to 5 years

### USER INTERFACE

- Function: Mission programming; float checking; etc.
- Terminal: PC
- Link: Bluetooth graphical user interface to PC
- Deployment: Magnet removal launches float

### TELEMETRY

- Iridium Communication: Iridium 9602 SBD Transceiver

### SENSORY

- Temperature Range: -5°C to 45°C (28°F to 95°F)  
Accuracy: ±.002°C  
Resolution: .001°C
- Pressure Range: 0 dBar to 250 dBar  
Accuracy: ±.1 dBar  
Resolution: .01 dBar  
Resolution: 1Hz-150KHz

### ACOUSTIC DATA

- 1/3 Octave ( 10- 8000Hz)
- Sensitivity 30-165 dB re 1uPa

#### HEAD OFFICE

MetOcean Telematics  
21 Thornhill Drive  
Dartmouth, Nova Scotia  
Canada B3B 1R9  
sales@metocean.com

+1 902 468 2505

#### UNITED STATES

MetOcean Telematics  
1750 Tysons Blvd  
Suite 1500, Office 1547  
McLean, VA 22102  
sales@metocean.com

+1 844 728 2868

#### UNITED KINGDOM

MetOcean Telematics  
Hilldale Farm  
Titchfield Lane,  
Wickham, UK PO17 5NZ  
sales@metocean.com

+44 1489 888 555

#### CANADA

MetOcean Telematics  
2 Gurdwara Rd Suite 608  
Ottawa, Ontario  
Canada K2E 1A2  
sales@metocean.com

+1 613 702 3196