The CODE/DAVIS drifter has been designed and tested to meet the performance criteria of the CODE (Coastal Ocean Dynamics Experiment) drifter developed by Dr. Russ Davis of SIO. The CODE/DAVIS drifter is an inexpensive solution to acquire coastal and esturarian water currents within a meter of the water surface.

Utilized by the oceanographic and meteorological community, the robust design allows for easy ship deployment. The CODE/DAVIS drifter is equipped with a sea surface temperature sensor, GPS receiver and Iridium® based satellite telemetry. The drifters operating life is between 3-12 months depending on the required rate of transmission.

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**CODE/DAVIS**

- Reliable bi-directional communication
- Rugged and innovative design
- Surface current tracker

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[metocean.com](http://www.metoecean.com)
TECHNICAL SPECIFICATIONS

PHYSICAL
• Prior to Deployment:
  Packaged Length: 1016 mm (40 inches)
  Diameter: 203.2 mm (8 inches)
  Weight: 10.8 kg (23.5 lbs)
• Deployed Surface Unit:
  Hull Diameter: 102 mm (4 inches)
  Total Height: 1400 mm (55.1 inches)
  Total Cross-section Width: 1090 mm (43 inches)
  Drogue Vane: 50 mm (19.6 in.) X 70 mm (27.0 in.)
  Length Of Exposed Mast: 400 mm (16.0 inches)
  Float Size: 133 mm (5.25 in.) wide, 216 mm (8.5 in.) long
  Mass in Air: 8 kg (17.5 lbs)

CONSTRUCTION
Hull Material  Marine-grade aluminum
Flotation  Four, quarter-cylinder polystyrene floats

OPERATION CONDITIONS
Air Temperature  -20°C to +35°C (-4°F to +95°F)
Water Temperature  -2°C to 35°C (-28°F to 95°F)
Water Type  Fresh or Salt
Significant Wave Height  8 m (26 ft)
Wind Speed  20 m/s (40 knots)
Wind Gusts  30 m/s (60 knots)
External Humidity  100%
Sunlight  Direct exposure
Operating Life  3-12 months depending on sampling

SURVIVAL CONDITIONS
Air Temperature  -30°C to 35°C (-22°F to 95°F)
Water Temperature  -2°C to 35°C (-28°F to 95°F)
Significant Wave Height  12 m (40 ft)
Wind Speed  35 m/s (70 knots)
Shelf Life  24 months with storage conditions at ~21° C

ELECTRONICS
• Option 1:
  Iridium Transceiver: 9602 SBD
  Antenna: Low profile dual band, Iridium/GPS
• Option 2:
  Argos PTT: MetOcean Model MAT 906
  • Power Supply: 10 alkaline-manganese dioxide AA cells

SENSORS
Sea Surface Temperature  US sensor ±0.05°C thermistor
Battery Voltage  Precision resistive divider
GPS Receiver  Jupiter F2

DEPLOYMENT
Deployment Options  Vessel