

# STOKES DRIFTER

- User-serviceable
- Low profile surface tracker
- Real-time and bi-directional data via Iridium satellite

**The NEW Stokes Iridium drifter is a revolutionary compact drifting buoy that tracks water currents at the surface.**

The STOKES Iridium drifting buoy is a low-profile surface current tracking buoy. The buoy is ideal for surface modeling, oil spill response and recovery, and real-time tracking of biomaterials and plastics in open water (salt & fresh). The applications for STOKES are so diverse, that it can also be utilized as a positional marker for Search and Rescue efforts.

The drifter is equipped with an Iridium satellite transmitter, enabling the buoy to provide vital data within real-time. The buoy also has bi-directional capabilities, which allows the end-user to communicate with the drifter if it enters an area of particular interest. The buoy is also geo-alarm capable. The STOKES is truly the best drifter for surface tracking applications.



# STOKES

TM

# STOKES DRIFTER



## TECHNICAL SPECIFICATIONS

### MECHANICAL SPECIFICATIONS

Outer Diameter	24 cm
Height	4 cm
Weight	920g

### POWER CONSUMPTION

Shelf Life	5-year shelf life (before battery replacement required)
Deployment Life	Typical +4 months (1-hour sample interval and 2-hour reporting interval)
Battery	10 AA batteries (comes installed and replaceable)

### INTERFACES

Bluetooth	BLE 5.0
Satellite	Iridium SBD
GNSS	+/- 2.5M accuracy and cold start fix <29s

### INTERNAL SENSORS

Temperature Sensor	0.1°C Accuracy (-5°C to 40°C)
--------------------	-------------------------------

### ENVIRONMENTAL

Operating Temperature	-20°C to +65°C
Storage Temperature	-40°C to +65°C
Ingress	IP68
Test Approvals	IEC 60945 Section 8.5 (Thermal Shock), SAE J1455 Thermal Cycling, SAE J1455 Section 4.9.3 (Low Pressure), SAE J1455 Temperature Cycling

### REGULATORY APPROVALS

IC (ISED) [Pending]
EC [Pending]
FCC [Pending]

#### HEAD OFFICE

MetOcean Telematics  
11 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 UK  
Fusion 2, 1100 Parkway  
Whiteley, Hampshire  
United Kingdom PO15 7AB  
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