

STOKES DRIFTER

- Low-profile surface tracker
- Real-time and bi-directional data
- User-serviceable and field changeable batteries

The Stokes Iridium drifter is a low-profile surface and asset tracking drifting buoy. Ideal for current monitoring, positional marking, and pollutant real-time tracking.

The STOKES Iridium drifting buoy is a low-profile surface and asset tracking drifting buoy. The buoy is ideal for surface modeling, oil spill response, and the tracking of biomaterials and plastics in open water (salt & fresh). The applications for STOKES are beyond diverse, the buoy can also be utilized as a positional marker, an excellent complement to any monitoring project.

The drifter is equipped with an Iridium satellite transmitter, enabling the buoy to provide vital data within real-time. The buoy also has bidirectional 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 buoy is truly the best drifter for surface tracking application.



STOKES

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TECHNICAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Outer Diameter	24 cm
Height	4.1 cm
Weight	905 g

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	+/- 1-100 meter accuracy. Cold start kix < 60s

INTERNAL SENSORS

Temperature Sensor	0.25°C Accuracy (-5°C to 40°C)
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ENVIRONMENTAL

Operating Temperature	-18°C to +55°C
Storage Temperature	-40°C to +50°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)
EC
FCC

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