



## Ocean Trek Research™ - 200 BUOY SERIES

The low profile 200 buoy series from Ocean Trek Research™ is a rugged and extensible buoy design, available with a number of standard or customizable sensor configurations. The 200 series has an integrated communication and mapping capability including user preprogrammed reporting features or interactive TrekMap™ software control (view the buoy/s location, add oceanographic data, alter the reporting frequency, poll for a new position, or turn on the recovery beacon).

### **Features:**

- High Accuracy GPS Position
- INMARSAT D+ Satellite Network
- Internal Sea Surface Temperature Sensor
- Bi-directional Communications
- Long-Life Rechargeable Battery
- Solar Panel
- Fully Integrated with TrekMap™ Software
- High Intensity Recovery Beacon
- Standby, Operational and Recovery modes

### **Options:**

- External Sea-Bird 39 temperature recorder
- Tether attachment (bridle line affixed to the buoy)
- Drogue attachment (reinforced hull mounting point)
- WOCE drogue (contact us for more information)
- Standard battery charger or 6 gang battery charger
- Communications cable
- Customize your buoys sensor package working with our experienced R&D team

### **Specifications:**

#### **Physical:**

- 11" total height; 3.5" above water
- 20 lbs positive buoyancy in sea water
- 27.5 lbs (12.5 Kilograms) weight in air
- Pressure resistant to 15 meters depth

#### **Electronics:**

- INMARSAT D+ SAT101 Satellite Modem
- GPS 12 channel 8 sec hot/45 sec cold acquisition
- Internal sea surface temperature sensor
- Operating temperature -25° to 70° C; up to 95% humidity
- Private, digitally encoded burst signals
- Programmable
- Fully integrated with TrekMap™ software

#### **Battery:**

- Solar rechargeable 12 Volt, 26 Amp-Hr, sealed gel cells

Contact us at [info@oceantrekresearch.com](mailto:info@oceantrekresearch.com) or call +1-907-357-1500