

MST Water-monitoring Buoy



- Proprietary solar/battery powered IoT water monitoring buoy
 - weighs under 25 pounds
 - 32" across
 - only requires 18" of water for deployment
- Currently tests for temperature, pH, dissolved oxygen, oxygen reduction potential, conductivity, and salinity
- Wave height and period, chlorophyll, and oil sensing capability currently in development
- Azure desktop interface equipped for table viewing, graphing, and data exporting
- Transmits data in real-time via cell
- Transmits bulk data in case of any cell signal interruptions – no data is lost
- Wi-fi enabled for seamless on-site downloads
- Logs data for over four years
- Can operate without sunlight for up to 40 days
- Cost effective data – target retail price \$25,000
- Easy deployment without machinery



Sensors can be deployed between 2-30 feet



Real-time dashboard accessible via desktop or mobile

SERIAL AND ID		TIME	
Serial	Endvrl	Time Created	2022-06-27T16:34:59+00:00
ID	178	Time Received	20-22-06-27T19:59:39.8324906+00:00
pH	ORP	DO	
6.9793	327.5612	71.1976	
Conductivity	Salinity (%)	Temperature (C)	
685.3506	3.7	25.1444	
Battery Voltage	Internal Water	Board Temperature (C)	
12.3481	0	19.0612	