xeos
BY SATLINK

OceanWave Buoy

Solar - Powered Wave Monitoring Buoy



Measures wave data using GNSS and accelerometer technology

Provides accurate measures on wave height, period and direction

Optional sensors for Sea Surface Temperature (SST) and barometric pressure measurements

Engineered for demanding marine environments

Solar-powered with GSM/4G or satellite transmission for maintenance-free deployments.

MEASUREMENTS	RANGE	RESOLUTION
Wave - Significant Height (Hs)	0 - 20 m	0.1 m
Wave - Maximum Height (Hm)	0 - 35 m	0.1 m
Wave Mean Period (T_{M01})	2 - 25 s	0.05 s - 5 s
Wave Peak Period (T_p)	2 - 25 s	0.05 s - 5 s
Wave Mean Direction	0 - 360°	1°
Wave Frequency Range	0.035 Hz to 0.5Hz	0.01 Hz
Sea Surface Temperature (SST)	-5°C to +50°C	0.1°C
Wave - Directional Spectral Density	0 - 10 $m^2/(Hz * rad)$	-