



## OCEANUS VESSEL TRACKER



### NEXT-GEN VESSEL TRACKER

Leister Technology's Oceanus Vessel Tracker is a satellite data communication device with a built-in GLONASS/ GPS module. Designed specifically for the machine-to-machine (M2M) market, Oceanus can calculate location information using one or both navigation systems, making it ideal for both maritime and land-based tracking and monitoring.

## OCEANUS PRODUCT SPECIFICATIONS

### Physical Specifications

Dimensions: 160mm x 97mm  
Weight: 765g

### Memory Specifications

Data Log Capacity: 320KB  
(Up to 17,200 Positions)

### Communications Specifications

4 x Software Configurable Input/ Output  
- Digital or 10-bit A/D Input  
- Digital Output; Max. Sink 250mA  
- 4~20mA Current Detection  
RS232 Console Interface  
Password Protected Access  
Optional NMEA Output

### Satellite Communications Specifications

Rx: 1525.0 ~ 1559.0MHz; 32-FSK  
Tx: 1626.5 ~ 1660.5MHz; 2-FSK  
EIRP: 9 dBW Max.  
Elevation Angle: -20 ~ 90 degrees

### Satellite Messaging Specifications

From Terminal: Up to 192 Bytes  
To Terminal: 4 Alert Codes + Up to 100 Bytes

### GLONASS/ GPS Specifications

Receiver: 24 Channels  
GLONASS: 1592 ~ 1606MHz  
GPS/WAAS/EGNOS: 1575.42MHz  
Cold Start Time: 50sec  
Sensitivity: -163dBW  
Accuracy: 3m RMS (Horizontal)

### Power Specifications

Power Input: 9~32Vdc  
Power Consumption: 12Vdc  
Mating Connector: Conxall Mini-Con-X 6282-8SG-3DC

### Environmental Specifications

Operating Temperature: -40° C ~ 70° C  
Storage Temperature: -40° C ~ 85° C  
Ingress Protection: IP67/ NEMA-4X

### Satellite Certifications

Inmarsat D+/IsatM2M Type Approved

### Regulatory Specifications

RoHS, CE, FCC, Anatal and IEC/EN 60945  
(Including Section 11.2)