

iTrac

VESSEL MONITORING SYSTEM

Bi-directional Communication

Weather and E-mail

Positional Reports



METOCEAN'S iTRAC VESSEL MONITORING SYSTEM LOCATE COMMERCIAL AND PRIVATE VESSELS AT SEA

The iTrac system consists of a bi-directional satellite communicator which transmits vessel position reports at specified intervals. The iTrac system may be remotely programmed to change the reporting interval. The iTrac system consists of a satellite communicator and a marine grade antenna. An internal battery for backup is provided to maintain all parameters in the case of power failure. The vessel provides normal operating power. The communicator is housed in an IP68 rated ruggedized enclosure.

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Key Features

- Certified by numerous international fisheries and government departments
- An automatically generated message is transmitted 24 times a day consisting of vessel position, heading, speed and time
- Two-way communications via satellite telemetry
- Message frequency can be updated from shore, to generate and transmit a position at various time periods
- LED's on the unit provides indication of power on/off, transmit/receive and status
- Units are GPS-equipped (10 m (33 feet) CEP, 45 sec cold start)
- Data is sent via E-mail, internet and/or direct IP to end users
- Geofencing capability provided
- Shock and Vibration tested to ISTA 1A specifications
- Temperature tested from -40°C to + 70°C (-40°F + 158°F)
- Surge and reverse polarity protected
- Internal backup battery provided with system
- Distress/panic button included
- Manufactured under ISO 9001 compliance

Optional Features

- Communications port for future expandability, including PC communications and external sensors
- At sea e-mail capability
- Emergency vessel position trigger
- Weather reports



Iridium data service provided by:



Technical Specifications

| | |
|--------------------------------------------|------------------------------------------|
| Length | 20.63 cm (8.125 inches) |
| Width | 16.25 cm (6.400 inches) |
| Height | 6.350 cm (2.500 inches) |
| Weight | 0.884 kg (1.95 LBS) |
| Transmit frequency | 1616 MHz to 1626.5 MHz |
| Transmit power | 1.6 Watts |
| Receive frequency | 1616 MHz to 1626.5 MHz |
| Sensitivity(minimum) | -118 dbm |
| Battery requirements | 12 volt Lead Acid Battery (Supplied) |
| Power requirements | 12 to 18 VDC (External Power) |
| Power use (measured at the battery points) | Transmit 2.5 A max. monitoring 100 mA |
| Position Accuracy | GPS ±10 m (nominal) |
| Operating temperature | -40 to 70° C (-40°F + 158°F) |
| Non-operating temperature | -40 to 70° C (-40°F + 158°F) |
| Shock &Vibration | ISTA 1A specifications |

