

iTRAC VMS

NEW



2024-05 v2

Navigate with Confidence: Your Complete Fleet Management Solution

Embark on confident maritime journeys with MetOcean's iTRAC VMS (Vessel Monitoring System), a comprehensive fleet management solution designed to elevate operational efficiency. At its core, iTRAC features a robust bi-directional Iridium® satellite transceiver, ensuring seamless transmission of vital vessel position reports at user-defined intervals, even in remote areas. This versatile system allows fleet managers to adjust monitoring schedules easily, enhancing operational efficiency to meet specific needs.

The iTRAC adheres to stringent standards, ensuring regulatory compliance and supporting sustainable fisheries management practices. Equipped with GPS technology for pinpoint accuracy in vessel positioning, iTRAC enhances operational precision and situational awareness

- Automatic transmission of vessel position, heading, speed, and time
- Two-way satellite telemetry for efficient communication
- Flexible message frequency updates for customized reporting
- GPS-equipped for accurate positioning
- Geofencing capability for enhanced security
- Built to withstand shock, vibration, surge, and reverse polarity



Above Deck Unit (ADU)



Below Deck Unit (BDU)

***PRELIMINARY SPECIFICATIONS**

Connected. Everywhere.

ITRAC VMS TECHNICAL SPECIFICATIONS

2024-05 v2

PHYSICAL			
Dimensions (L x W x H)	Above Deck Unit (ADU)	200 x 195 x 114 mm	7.9 x 7.7 x 4.5"
	Below Deck Unit (BDU)	181 x 151 x 55 mm	7.1 x 5.9 x 2.2"
Weight	Above Deck Unit (ADU)	1970 g	4.3 lbs
	Below Deck Unit (BDU)	410 g	0.9 lbs
Colour	White – UV protected		
CONSTRUCTION			
Battery venting	PTFE pressure equalizing membrane		
Mating Connectors	ADU: 10 PIN CONXALL-SWITCHCRAFT		
	BDU: 2 X PG-9 Cable Gland and USB MINI B		
Cables	ADU to BDU: 15 m (50 ft)		
	BDU to Power supply: 4.5 m (15 ft)		
Mounting	Universal bracket with U bolts		
Labelling	Identification, Serial number		
POWER			
Supply	Nominal range: 10 to 36 V		
Current drain	<2 A at 12 V, <1 A at 24 V		
Battery	Rechargeable Lead acid		
Minimum autonomy	20 hours		
ENVIRONMENTAL			
Operating Temperature	-25°C to 55°C	-13°F to 131°F	
Storage Temperature	-25°C to 70°C (Storage in a dry place and in original packaging)		-13°F to 158°F
Water Resistance	IP67 for the ADU		
	IP65 for the BDU		
ELECTRONICS			
Transmission Characteristics	Iridium band: 1616 to 1626.5 MHz		
GNSS receiver	Better than 10 m (33 ft) accuracy		
Qualification	EN60945 Compliant Mechanical environmental and EMC		
OPTIONAL FEATURES			
USB communications port for future expandability, including PC communications and external sensors			
At sea e-mail capability			
Emergency vessel position trigger			
E-log compatible			

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