



FM-IDP690

Choose FM-IDP690 when you need a dedicated, compact and reliable plug-and-play tracking device. Ideally suited to charterers.

The simple to install FM-IDP690 offers a fast and convenient way to track vessels when you do not have access to an available or suitable Inmarsat-C transceiver, making it ideal for charterers.

FM-IDP690 combines the reliability of a dedicated device with the benefits of the latest IsatData Pro satellite transceiver: global coverage, two-way communications, low latency and near real-time reporting capability.

Engineered for the marine environment, FM-IDP690 features a rugged environmentally sealed enclosure and low-elevation angle antenna. It is one of the most reliable and low-maintenance terminals in Pole Star's range.

Key Benefits

- Supplied ready to install
- Can be installed by crew
- Near real-time tracking for enhanced fleet intelligence
- Two-way communications via Inmarsat's newest I4 satellite constellation
- Rugged, reliable and engineered for extreme temperatures and conditions
- Low look angle engineered for marine applications
- Integrated 8-channel GPS
- Mains powered
- Dimensions: 10.1 x 12.6 x 12.6 cm
- Operating temperature range: -40 to +85° C
- Mass: 460 g



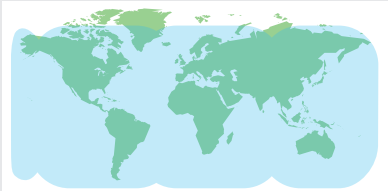
FM-IDP690 TECHNICAL SPECIFICATION

PHYSICAL	
Dimensions	10.1 x 12.6 x 12.6 cm
Mass	460 g

ENVIRONMENTAL	
Temperature range	Operating: -40° C to +85° C; Storage: -40° C to +85° C
Vibration	SAE J1455 (Sec 4.9, 4.2); MIL-STD-810G (Sec 514.6)
Environmental rating	IP67
Humidity	SAE J1455, section 4.2.3

POSITION REPORTING	
Automatic position reporting	Yes
Change reporting interval	Yes
On-demand position reporting	Yes

POWER	
Input voltage	9 to 32 V
Power consumption (typical @ 12 V dc, 22° C)	Receive with GPS: 40 mA Transmit: 0.75 A Sleep: 100 µA

SATELLITE	
Satellite service	Inmarsat IsatData Pro
Coverage	
Frequency range	Rx:1525.0 to 1559.0 MHz; Tx:1626.5 to 1660.5 MHz
EIRP	5.0 dBW
Elevation angle	-15° to + 90°

GPS	
Acquisition time	Hot: 1 sec; Cold: 30 sec
Accuracy	2.5 m (Horizontal CEP)
Sensitivity	Acquisition: -140 dBm; tracking: -156 dBm
Channels	8

CERTIFICATION	
Satellite	Inmarsat Type Approved
Other	CE mark, FCC, RoHS, Anatel
VMS Type Approval	FFA Type Approval - pending

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