

Pole Star Platform

SkyWave IDP-690 C1D2

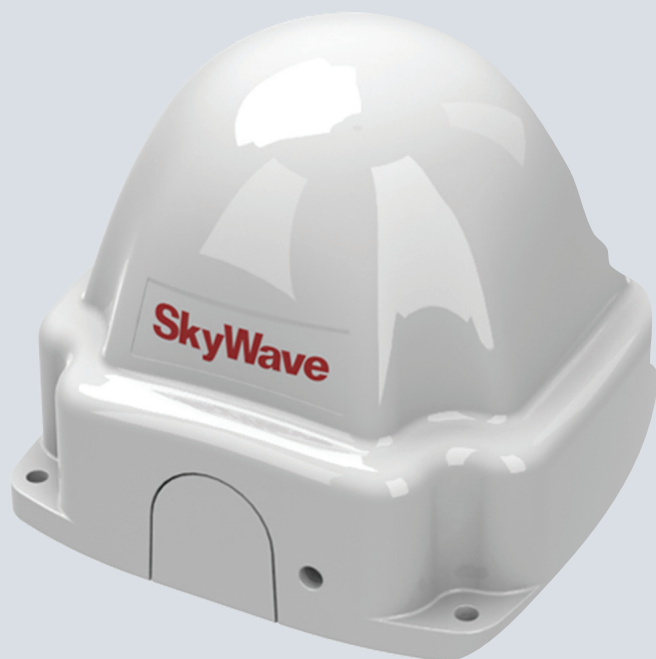
The intrinsically safe C1D2 certified SkyWave IDP-690 satellite tracking device is ideal for drillships and rigs, as well as supply, offshore and oil and gas vessels.

The need for remote management and tracking of assets continues to grow in response to increasing concerns regarding safety and security. But tracking devices designed for general maritime use are unsuitable for vessels where flammable gas and vapour are likely to be present. For these vessels, we recommend the intrinsically safe SkyWave IDP-690 C1D2. This reliable, robust and compact tracking

device is C1D2 certified intrinsically safe and designed for use in hazardous environments.

SkyWave IDP-690 C1D2 is supplied ready to install. Simply connect the device to the vessel's power supply and it will start reporting automatically for complete operational awareness and real-time fleet intelligence.

**Intrinsically
Safe**



inmarsat

Key Benefits

- C1D2 certified intrinsically safe
- Engineered for hazardous environments
- Compatible with the Pole Star platform
- Near real-time tracking for enhanced fleet intelligence
- Two-way communications via Inmarsat's L-band I4 satellite constellation
- Rugged, reliable and compact
- Low look angle for marine applications
- Integrated 8-channel GPS

SkyWave IDP-690 C1D2 (Intrinsically Safe) Technical Specification

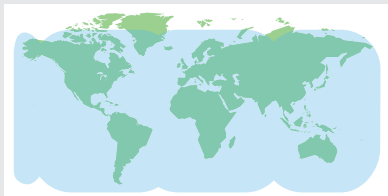
Physical	
Overall dimensions	10.1 cm x 12.6 cm x 12.6 cm
Weight	460 g

Environmental	
Temperature range	-40°C to +85°C (operating and storage)
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

GPS	
Acquisition time	Hot: 1 sec; Cold: 30 sec
Accuracy	4.0 m (Horizontal CEP)
Sensitivity	Acquisition: -140 dBm; tracking: -158 dBm
Channels	8

Power	
Input voltage	9 to 32 V
Power consumption (typical @ 12 V dc, 22° C)	Receive with GPS: 49 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 range	-15° to + 90°

Certifications/Compliance	
Satellite	Inmarsat Type Approved
Other	CE mark, FCC, RoHS, Anatel, C1D2



London +44 20 7313 7400
Boston +1 857 214 7340

Hong Kong +852 2520 0951
Panama +507 301 5748

Singapore +65 6818 6234
Sydney +61 2 4258 3441

sales@polestarglobal.com
www.polestarglobal.com