

DSAS Mk2 Technical Specification

Physical	
Overall dimensions	415mm x 190mm x 232mm
Weight	19kg
Hardware	Rugged polycarbonate case with Gr.316 stainless steel cover
Alert buttons	2 x Panel Mount, normally closed

Environmental	
Operating temperature range	-40° to +85° C
Storage temperature range	-40° to +85° C
Vibration	SAE J1455 (Sec 4.9, 4.2), MIL-STD-810G (Sec 514.6)
Shock (survival)	MIL-STD-810G (Sec 514.6)

Electrical	
Input voltage	24VDC
Power consumption	Receive with GPS: 60mA, Transmit: 0.75 A
Batteries	18 Ah sealed lead acid battery pack
Battery life	5-7 days

Satellite	
Coverage	Global
Frequency range	Rx:1525.0 to 1559.0 MHz, Tx:1626.5 to 1660.5 MHz
EIRP	5 dBW max
Elevation angle range	-15 to +90 degrees

GPS	
Frequency	1575.4 MHz
Channels	16 parallel

Certifications/Compliance	
Satellite	Inmarsat IsatData Pro Type Approved
Regulatory	FCC; RoHS; CE Mark (R&TTE);, IEC/EN 60945

Type Approvals	
ABS	(American Bureau of Shipping) No. 12-LD859094-PDA
BSH	(Bundesamt Für Seeschifffahrt und Hydrographie) Nr. BSH - 47151/20530/2012
BV	(Bureau Veritas) No. 27931/AO BV
CCS	(China Classification Society) No. LD55347072
DNV	(Det Norsk Veritas) No. A-13105
GL	(Germanischer Lloyd) No. 37 690 12 HH
KR	(Korean Register of Shipping) No. LDN16492-AC003
LR	(Lloyds Register of Shipping) No. 12/00028
NKK	(Nippon Kaiji Kyokai) No. 12A012
PRS	(Polski Rejestr Statków) No. TE/1925/883040/12