



SAILOR SC4000

The SAILOR SC4000 Iridium telephone system is the ideal satellite communication solution and well suited for all types of vessels cruising the high sea – from yachts to fishing vessels, from coasters to large merchant ships, from coast guards to naval vessels. The SAILOR SC4000 is extremely sturdy and designed specifically for the harsh maritime environment being able to withstand even the toughest conditions at sea.

Main Features :

- True global coverage
- Attractive airtime rates – one global rate
- Global voice and crew calling
- Individual user billing
- Direct connection for PABX or standard telephones
- 2.4 – 10 kbps data transmission
- Marine and fixed installation



Iridium SAILOR – SC4000

Specifications

GENERAL

Frequency range

Terminal – Satellite: 1616 - 1626.5 MHz (L-Band)

Intersatellite: 23.18 - 23.38 GHz (Ka-Band)

Modulation

Voice/data: 2.4 kbit/s O-QPSK

Compressed data: 10 kbit/s O-QPSK

POWER SPECIFICATIONS

Power supply: 10 – 32 V DC

Power consumption: Tx: 25 W

Stand-by: 8 W

SA 4110 ANTENNA UNIT

General specifications: Helical, omnidirectional antenna
210° (3 dB bandwidth)

Antenna dome: Fiberglass, Link margin: 16 dB

Elevation angle: From any direction 20° from horizontal

Yaw: Satellite elevation → 8°

ENVIRONMENTAL CONDITIONS

Temperature: ADE -35°C to +55°C

Relative humidity: Up to 95% at 40°C

Icing (survival only): Up to 25 mm of ice

Precipitation: Up to 100 mm/hour

Wind (velocity): Up to 100 knots

Vibration: IME: 2 - 50 Hz +/- 1 g, EME: 4 - 33 Hz +/- 1 g

Dimensions Ø: 96 mm (3.8"), Height: 140 mm (5.5")

ST4120 TRANSCEIVER UNIT

Interfaces

Handset: RS-485, 8-wire, 600 Ω

Telephone/PABX: RJ-11, 2-wire, 600 Ω

Data (for PC): RS232 (standard serial)

Position information: NMEA 0183

Set-up, SMS and

SSAS configuration: Via PC connection and software.

Dimensions Width: 150 mm (5.9")

Height: 309 mm (12.2")

Depth: 87 mm (3.4")

Weight: 2.7 kg (6 lbs)

SC4150 CONTROL HANDSET

Dimensions Width: 68.5 mm (2.7")

Height: 209 mm (8.2")

Depth: 66.5 mm (2.6")

SHIP SECURITY ALERT SPECIFICATIONS

Number of SSAS alert 2 x SSAS buttons and 1 x test button
and test buttons (standard package)

Up to 4 alert buttons possible

SSAS message recipients: Multiple addressing of SSAS and
test

messages to the following destinations:

e-mail and SMS. Fax possible through third
party relay application.

SSAS message From every 5 minutes and up to every
retransmission interval 21 hours

DIMENSIONS AND WEIGHT

SAILOR HC4122 Iridium Width: 258.5 mm (10.2")

SSAS box: Height: 225.4 mm (8.9")

Depth: 49 mm (1.9")

Weight: 1.7 kg (3.7 lbs)

SSAS and SSAS Test buttons Width: 91 mm (3.6")

(each) Height: 91 mm (3.6")

Depth: 37 mm (1.5")

Weight: 0.3 kg (0.7 lbs)

E-SAT

121 rue Aristide Briand – 92300 Levallois Perret – France

Tél. : +33 1 41 06 99 20 – Fax : +33 1 47 37 24 13

www.e-sat.fr – info@e-sat.fr