

SPECIFICATIONS OF FS-1570/2570

OFFICIAL NAME OF THE EQUIPMENT
SSB RADIOTELEPHONE

GENERAL CHARACTERISTICS

Rules and Regulations IMO A.694(17), A.806(19), MSC36(63), MSC68(68) A1, 2, 3 and 4, ETS 300 067 November 1998 A1, EN 300 338 April 1999, ETS 300 373 August 1997 A1, EN 61162-1 July 2000, EN 301 033 August 1998, EN 60945 January 1997, ITU-R M.1173, M.476-5, M.491-1, M.492-6, M.493-10, M.541-8, M.625-3, MSC/Cir. 862

Frequency Range Transmit: 1.6 to 27.5 MHz (100 Hz steps)
Receive: 0.1 to 30 MHz (10 Hz steps)

Number of Channels 256 user-specified channels plus ITU, SSB/TELEX channels

Communication Mode Simplex, Semi-duplex

Class of Emission J3E, J2B

TRANSCEIVER

RF Output Power FS-1570: 150 W pep
FS-2570: 250 W pep

Antenna 10 m or more whip or wire

Tuning Speed 2 to 15 sec.

Receiver Sensitivity +7 dB μ V(4-30 MHz, J3E)

DSC

Receiving Frequency All DSC Frequencies in MF/HF

Message Storage

Receive: 50 messages max., plus 50 non-distress messages
Transmit: 50 messages, telephone no., frequency, etc.

INTERFACE IEC 61162-1

POWER SUPPLY 24 VDC
FS-1570: 20 A (TX), 0.8 A (RX)
FS-2570: 35 A (TX), 1.5 A (RX)
115/230 VAC with external rectifier

EQUIPMENT LIST

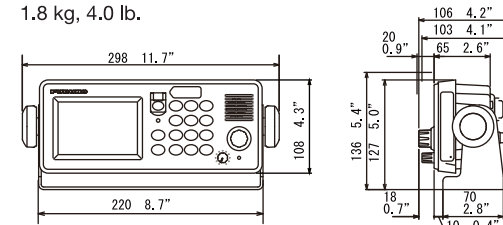
Standard

1. Transceiver Unit	1 unit
2. Control Unit	1 unit
3. Telephone Handset	1 unit
4. Antenna Coupler AT-1560-15 (FS-1570) AT-1560-25 (FS-2570)	1 unit

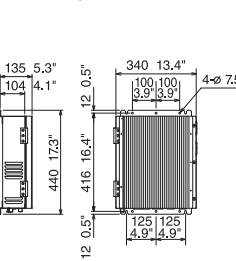
Option

1. Rectifier with changeover facility PR-300 for FS-1570, PR-850A for FS-2570	
2. NBDP Modem and Terminal Unit	
3. External Loudspeaker	
4. Distress Alert Unit IC-302-DSC	
5. Received Call Unit IC-303-DSC	
6. Control Unit for Remote Station	
7. Distress Message Controller DMC-5	
8. Whip Antenna	
9. Watch Keeping Receiver for routine for FS-2570	

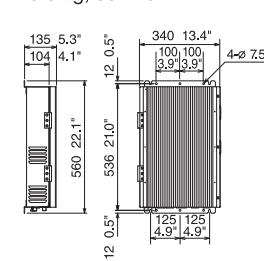
Control Unit FS-2571C 1.8 kg, 4.0 lb.



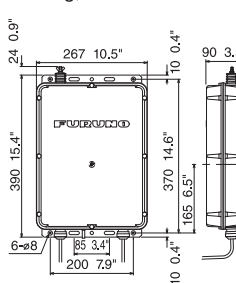
Transceiver Unit FS-1570T 11.0 kg, 24.3 lb.



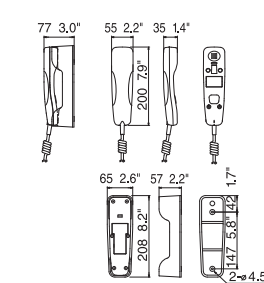
FS-2570T 15.0 kg, 33.1 lb.



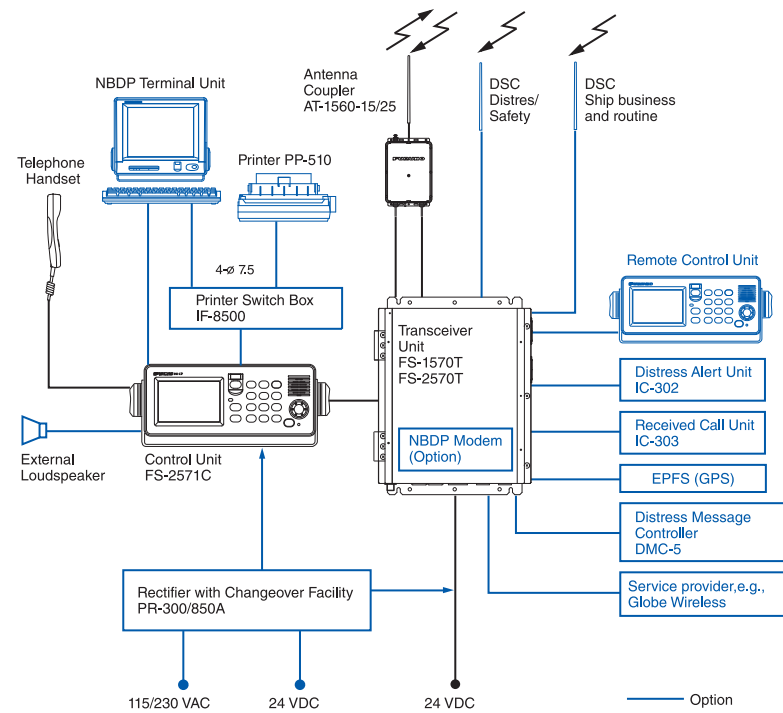
Antenna Coupler AT-1560-15/25 8.7 kg, 19.2 lb.



Handset



INTERCONNECTION DIAGRAM



MF/HF

MF/HF Radiotelephone

SSB Radiotelephone
FS-1570/2570
(150 W) (250 W)



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Reliable MF/HF Radiotelephone for general and distress communication with integrated DSC/DSC Watch Receiver/NBDP Modem

The FS-1570/2570 are MF/HF radiotelephones for general communications and GMDSS applications. Provided in addition to radiotelephony operation are DSC (Digital Selective Call) and DSC Watch Receiver on all distress and safety frequencies in MF/HF bands.

The FS-1570/2570 maintain a continuous watch on a distress call even while operating on telephony. All selected DSC channels can be automatically scanned. When a DSC message is received, the set releases audible and visual alarms.

The FS-1570/2570 can be operated on all frequencies between 1.6 and 27.5 MHz. Receiving frequencies are selectable from 100 kHz to 30 MHz in every 10 Hz step. The transmitting and receiving frequencies can be selected separately or in pair from the frequency table in the unit.

The compact control unit allows a flexible and space-saving installation in a GMDSS communication console. Optional equipment available includes a remote control unit, distress alert unit, received call unit, distress message control unit, etc. In addition, a telex modem (NBDP) can be accommodated in the transceiver unit for general message transfer and distress message/maritime safety information handling, satisfying the carriage requirement in GMDSS A3-A4 sea areas.



MF/HF Radiotelephone

FS-1570/2570

- ▶ Distress, safety and routine communications
- ▶ Fully meets GMDSS carriage requirements
- ▶ Instant selection of 256 preset channels
- ▶ 160-character message on high-legibility LCD display
- ▶ Optional NBDP modem and terminal unit
- ▶ Easy channel selection with rotary control or direct keyboard input
- ▶ Scanning of DSC frequencies for distress calls
- ▶ General DSC calls on MF/HF
- ▶ File editing for ready transmission of DSC message
- ▶ GPS position automatically fed to a distress call

Transceiver unit FS-1570T/2570T

The transceiver unit FS-1570T/2570T can be installed in a remote location (up to 50 m away from the control unit). The optional second control unit can be connected through an internal switching board.



FS-2570T for FS-2570

Antenna Coupler AT-1560-15/25

The AT-1560-15/25 automatically tunes to an antenna ranging 7 to 18 m long with tuning time within 15 seconds. The unit is waterproof by robust FRP housing (IPX5).

option

NBDP Terminal Unit IB-583

When interfaced with the FS-1570/2570, general message and distress message/maritime safety information handling can be performed. The IB-583 displays messages at 72 characters/line with 25 lines/screen. File management, text editor and utility programs ensure straightforward operation.



IB-583 NBDP Terminal Unit