FURUNO

MES
Mobile Earth Station

Model: FELCOM20

FEATURES OF FELCOM20

- Inmarsat-C Ship Earth Station terminal for GMDSS application
- Enables versatile communication such as E-mail, Telex, Fax, EGC (Enhanced Group Call), and data reporting/polling
- Operable via touch panel and keyboard
- Intuitive icon-based interface for easy operation
- Compatible with the following optional units:
  - Distress Alert / Received Call Unit IC-305
  - Alarm Unit IC-306
  - SSAS Alert Unit IC-307
  - Junction Box IC-318
  - Printer PP-520
- Optional printer (PP-520) required to meet EGC receiver performance standards
- Compliant with the latest IMO performance requirements and IEC testing standards
- Compliant with GMDSS, LRIT, and SSAS*

  *The optional SSAS Alert Unit (IC-307) is required to meet the performance requirements of the SSAS function.

GMDSS Global Maritime Distress and Safety System

LRIT Long-Range Identification and Tracking of ships

SSAS Ship Security Alert System

inmarsat

www.furuno.com

SPECIFICATIONS

Product Name	Inmarsat-C Mobile Earth Station
Transmitting Frequency	1626.5 - 1646.5 MHz
Receiving Frequency	1537.0 - 1544.2 MHz
Channel Interval	5 kHz
Transmit Modulation Rate and Method	600, 1200 sps Unfiltered BPSK
Receive Modulation Rate and Method	1200 sps Unfiltered BPSK
Receiving Performance Index (G/T)	-23 dB/K or higher (at elv. 5°)
Transmit EIRP	12 - 16 dBW (at elv. 5°)
Power Supply	12-24 VDC

ENVIRONMENT

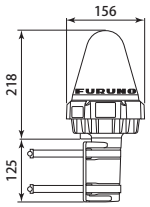
Temperature Antenna Unit	-35 °C to + 55 °C
Temperature Shipboard Equipment	-15 °C to + 55 °C
Relative Humidity	95% at 40°C

EQUIPMENT LIST

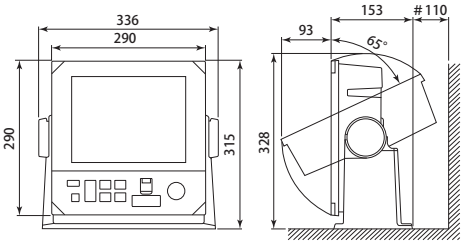
	Item Name	Model No.	Quantity
Standard	Antenna Unit	IC-120	1
	Terminal Unit	IC-220	1
	Junction Box	IC-318	1
	SSAS Alert Unit	IC-307*	2
	Keyboard		1
	Installation Materials		1 set
Option	GNSS Antenna Unit	GPA-022S	-
	Distress Alert / Received Call Unit	IC-305	-
	Alarm Unit	IC-306	-
	SSAS Alert Unit	IC-307	-
	Printer	PP-520	-
	AC/DC Power Supply Unit	PR-241	-

*Included in standard configuration only for SSAS specification.

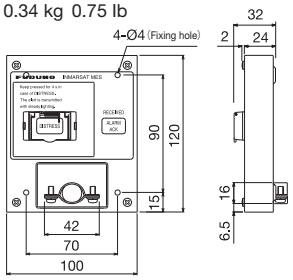
Antenna Unit
IC-120
1.5 kg 3.31 lb



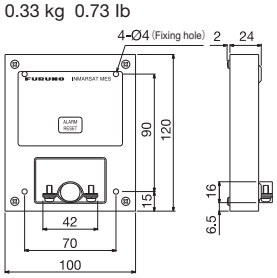
Terminal Unit
IC-220
Tabletop Mount 4.1 kg 9.04 lb



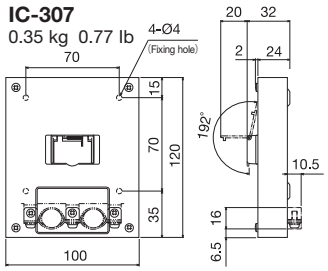
Distress Alert / Received Call Unit
IC-305
0.34 kg 0.75 lb



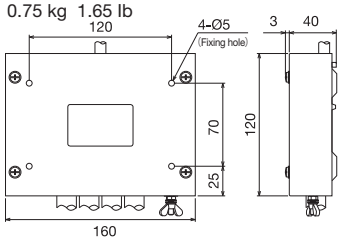
Alarm Unit
IC-306
0.33 kg 0.73 lb



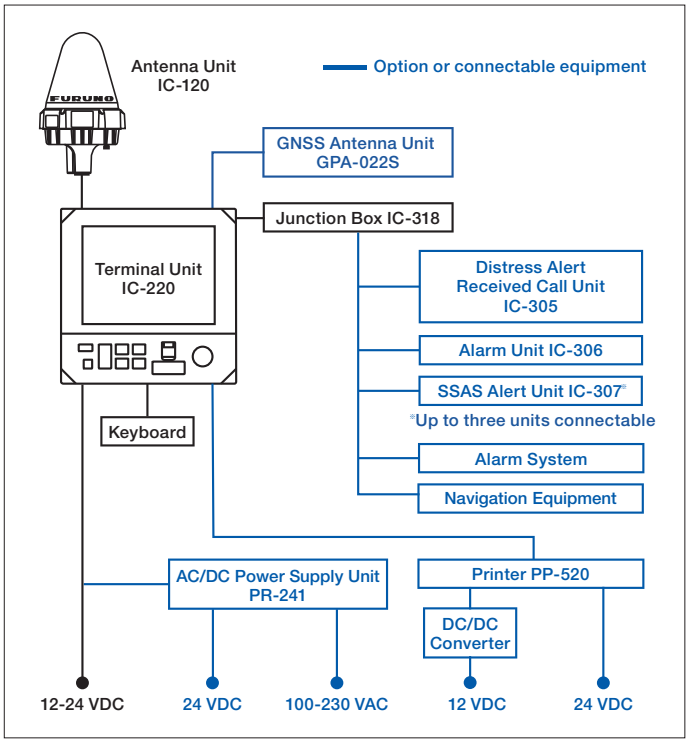
SSAS Alert Unit
IC-307
0.35 kg 0.77 lb



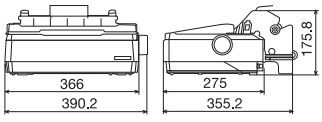
Junction Box
IC-318
0.75 kg 1.65 lb



INTERCONNECTION DIAGRAM



Printer
PP-520
4.8 kg 10.58 lb



Beware of similar products

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

A-2508LB
Catalogue No. CA000002732