

FURUNO

FM-4000

MARINE VHF RADIOTELEPHONE

With Class-D DSC Modem and CH70 watch receiver



- ▶ 25 W or 1 W RF Output Power
- ▶ Built-in DSC meets Class D ITU-R M493-11/EN 301 025 requirement
- ▶ 30 W PA, FOG, Bells and Whistles with Listen Back
- ▶ Audio tone control
- ▶ Waterproof speaker microphone provides clear reception and transmission
- ▶ Easy channel selection with large rotary control
- ▶ Quick access to channel 16/9 Key
- ▶ Features a large alpha numeric keypad
- ▶ Optional voice scrambler provides private communications with other radios equipped with scramblers

www.furuno.com

SPECIFICATIONS OF FM-4000

General

- | | |
|------------------------|-----------------------------|
| 1. Frequency | |
| Transmit | 156.025 to 157.425 MHz |
| Receive | 156.050 to 163.275 MHz |
| 2. Mode | FM (16K0G3E), DSC (16K0G2B) |
| 3. Channel Spacing | 25 kHz |
| 4. Frequency Stability | ±5 ppm |

Transmitter

- | | |
|-----------------------------|-------------------------|
| 1. Output Power | 25 W (Hi) or 1 W (Lo) |
| 2. Frequency Stability | ±3 ppm |
| 3. Max. Frequency Deviation | ±5 kHz |
| 4. Spurious Emission | 80 dB (25W), 66 dB (1W) |

Receiver

- | | |
|--|--|
| 1. Sensitivity (12 dB SINAD) | 0.30 µV |
| 2. Squelch Sensitivity | 0.13 µV |
| 3. Intermodulation Rejection Ratio (12 dB SINAD) | -80 dB |
| 4. Spurious Response Rejection Ratio | -80 dB |
| 5. Adjacent Channel Selectivity | 80dB |
| 6. Audio Output Power | 4.5 W |
| 7. Audio Response | within +1/-3 of a 6 dB/octave de-emphasis characteristic at 300 to 3000 Hz |

DSC Class D EN 301 025

Interface (NMEA0183 ver. 2.0/3.01)

- | | |
|-----------|-------------------------------------|
| 1. Input | GLL, GGA, RMC and GNS |
| 2. Output | DSC*, DSE* * NMEA0183 ver.3.01 only |

ENVIRONMENT

- | | |
|---------------|--------------------|
| Temperature | -20°C to +60°C |
| Waterproofing | IPX7 (Front Panel) |

POWER SUPPLY

13.8 VDC ±20%, 5.0 A max








EQUIPMENT LIST

Standard

1. Transceiver Unit
2. Microphone
3. Installation Materials and Spare Parts

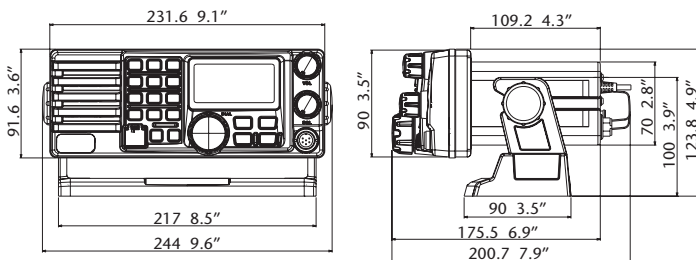
Option

- | | |
|-----------------------------|----------------|
| 1. Voice Scrambler | CVS2500 |
| 2. Remote-Access Microphone | CMP30B (Black) |
| 3. Remote-Access Microphone | CMP30W (White) |
| 4. Flush-Mount Bracket | MMB-84 |
| 5. Extension Cable | CT-100 |
| 6. Bluetooth Headset | BH-2 |
| 7. Bluetooth Adaptor Unit | BU-1 |
| 8. Charge Holder | CAB-2 |

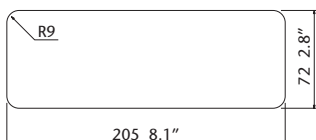
Optional Accessories	
Voice Scrambler CVS2500 	Remote-Access Microphone (Black) CMP30B 
Flush-Mount Bracket MMB-84 	Remote-Access Microphone (White) CMP30W 
Bluetooth Headset BH-2A 	Bluetooth Adaptor Unit BU-1 
	Charger Holder for BH-2 CAB-2 

Transceiver Unit FM-4000

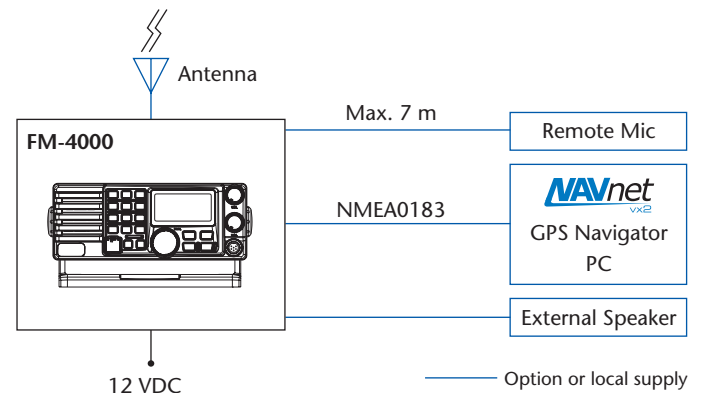
2.0 kg 4.4 lb



Cutout for Flush Mount



INTERCONNECTION DIAGRAM



NOTE: Antenna unit is not included in the standard equipment.
Please arrange locally.

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

FURUNO ELECTRIC CO., LTD.

Nishinomiya, Hyogo, Japan
www.furuno.co.jp

FURUNO U.S.A., INC.

Camas, Washington, U.S.A.
www.furunousa.com

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www.furuno.co.uk

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www.furuno.fr

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www.furuno.de

FURUNO EURUS LLC

St. Petersburg, Russian Federation
www.furuno.com.ru

FURUNO HELLAS LTD.

Piraeus, Greece



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