

# FURUNO

# FM-4721

## 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 M493-12/EN 301 025 requirement
- ▶ Class D DSC with Distress, Individual and All Ship calls
- ▶ Navigation information (LAT/LONG, SOG, COG) information shown on display\*
- ▶ Navigate to a DSC Distress Position\*
- ▶ ATIS mode available for inland waterway
- ▶ Automatic DSC Position Poll request to up to four separate vessels
- ▶ 30 W PA/Loudhailer with pre-programmed fog signals and listenback facility
- ▶ Two Handsets (Remote control speaker/microphone with display) are available
- ▶ Easy channel selection with large rotary control
- ▶ Quick access to channel 16/9 Key
- ▶ Features a large alphanumeric keypad

\*Requires connection to external GPS



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# SPECIFICATIONS OF FM-4721

## 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      | ±2.5 ppm                    |
| 3. Max. Frequency Deviation | ±5 kHz                      |
| 4. Spurious Emission        | -80 dB (25 W), -66 dB (1 W) |

## Receiver

- |                                 |   |
|---------------------------------|---|
| 1. Sensitivity (20 dB SINAD)    | 0.30 μV   |
| 2. Squelch Sensitivity          | 0.13 μV   |
| 3. Intermodulation Response     | 68 dB   |
| 4. Spurious Response Rejection  | 70 dB   |
| 5. Adjacent Channel Selectivity | 60 dB   |
| 6. Audio Output Power           | 3.0 W   |
| 7. Audio Response               | within +1/-3 of a 6 dB/octave de-emphasis characteristic between 300 Hz and 3 kHz |

## DSC (Class D)

ITU-R M493-12 EN 301 025

## Interface (NMEA0183 ver. 3.0)

- |           |                                |
|-----------|--------------------------------|
| 1. Input  | GLL, GGA, RMC and GNS          |
| 2. Output | DSC*, DSE* * NMEA0183 ver. 3.0 |

## ENVIRONMENT

- |               |                    |
|---------------|--------------------|
| Temperature   | -15 °C to +55 °C   |
| Waterproofing | IPX7 (Front Panel) |

## POWER SUPPLY

12.0 VDC +30%, -10%, 6.0 A max

## EQUIPMENT LIST

### Standard

1. Transceiver Unit
2. Handset HS-4721 with 7m cable
3. Installation Materials

### Option

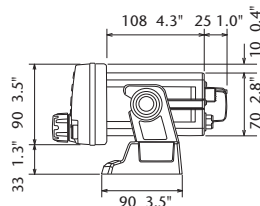
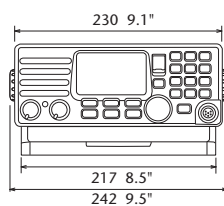
- |                                   |         |
|-----------------------------------|---------|
| 1. Handset                        | HS-4721 |
| 2. 7m extension cable for Handset | CT-100  |
| 3. Handmic                        | MH-70F6 |
| 4. Flush-Mount Bracket            | MMB-84  |
| 5. Bluetooth Headset              | BH-2A   |
| 6. Bluetooth Adapter Unit         | BU-1    |
| 7. Charge cradle for BH-2A        | CD-40   |
| 8. AC Charger for CD-40           | NC-85   |
| 9. Voice Scrambler                | FVP-42  |

## Optional Accessories

 <p>7m extension cable for Handset <b>CT-100</b></p> <p>Handset <b>HS-4721</b></p>	 <p>Handmic <b>MH-70F6</b></p>	 <p>Flush-Mount Bracket <b>MMB-84</b></p>	 <p>Bluetooth Headset <b>BH-2A</b></p>
 <p>Bluetooth Adapter Unit <b>BU-1</b></p>	 <p>Charge cradle for BH-2A <b>CD-40</b></p>	 <p>AC Charger for CD-40 <b>NC-85</b></p>	 <p>Voice Scrambler <b>FVP-42</b></p>

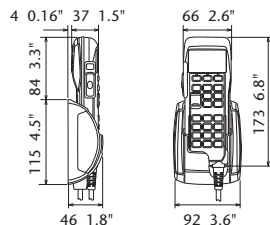
## FM-4721 Transceiver Unit

1.66 kg 3.66 lb  
1.82 kg 4.0 lb (with Bracket)

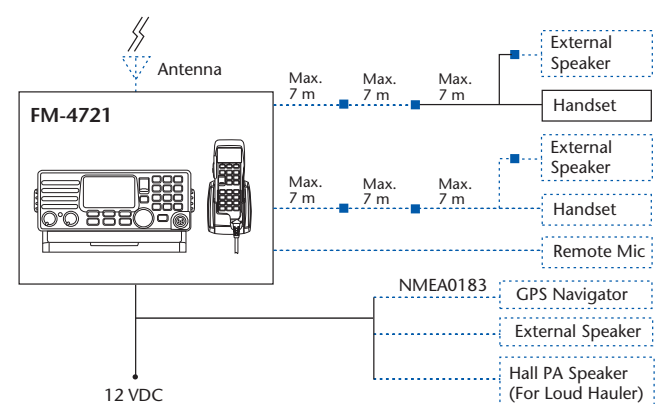


## FM-4721 Handset HS-4721

0.37 kg 0.82 lb  
0.44 kg 0.97 lb (with Holder)



## INTERCONNECTION DIAGRAM



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

..... Option or local supply

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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11035U Printed in Japan  
Catalogue No. V-034

