

# IC-GM1600E



## GMDSS Portable for Survival Craft

- **Meets the strict environmental requirements for survival craft radio**

The IC-GM1600E meets temperature, thermal shock, vibration and drop resistant (from 1 m height) requirements. After passing those environmental tests, the IC-GM1600E retains 1m depth waterproof construction as specified by IMO resolutions A.694(17), MSC149(77) and related specifications.

- **Optional high capacity Lithium battery, BP-234, has superior low temperature characteristics**

Provides more than 8 hours operating time even at  $-20^{\circ}\text{C}$ .  
(Duty cycle: Tx: Rx: Stand-by = 6: 6: 48)

- **Large keypad with positive button action**

- **Wide viewing angle LCD display**

- **Meets MED 96/98/EC, "Wheel mark" requirements**



- **Other features**

- One touch access to Channel 16 and call channel
- Highly visible yellow colored body
- Bright LED indicator on the top of panel



## SPECIFICATIONS

### GENERAL

- Frequency range Tx/Rx : 156.300–156.875MHz
- Mode : FM (16K0G3E)
- Power supply requirement : 7.2V DC nominal
- Current drain (approx. at 7.2V DC) :
  - Tx 2W output 1.0A
  - 1W output 0.7A
  - Rx AF max. 200mA
- Operating Temp. range : -20°C to +55°C
- Antenna impedance : 50Ω (SMA fixed-type)
- Dimensions (W×H×D) : 65×145×44 mm (projections not included)
- Weight (approx.) : 385g (with BP-234)

### TRANSMITTER

- Output power : 2W/1W (Hi/Low)
- Max. frequency deviation : ± 5.0kHz
- Frequency error : ± 1.5kHz
- Spurious emissions : 0.25μW (30MHz–1GHz)  
1.00μW (1GHz–2GHz)
- Adjacent channel power : 70dB
- FM Hum and noise ratio : 40dB
- Audio harmonic distortion : Less than 10% (at 60% deviation)

### RECEIVER

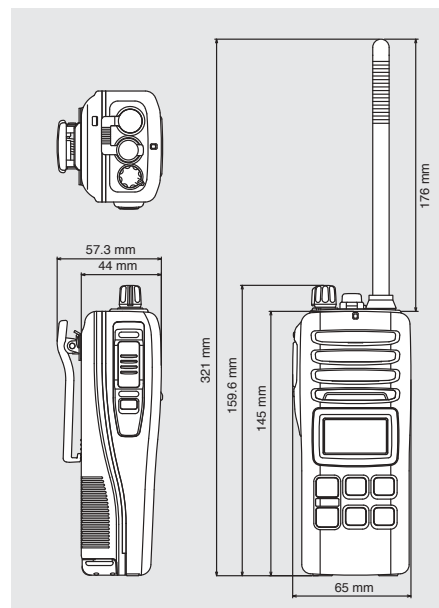
- Sensitivity (20dB SINAD) : -2dBμ typ. (emf)
- Squelch sensitivity : ±0dBμ typ. (emf) (at threshold)
- Adjacent channel selectivity : 70dB
- Spurious response : 70dB
- Intermodulation rejection : 68dB
- Hum and noise ratio : 40dB
- Audio output power : 0.2W (at 10% distortion with an 8Ω load)

### Supplied accessories: (\* Depending on version)

- Battery pack, BP-252\*      • Battery charger, BC-173\*
- AC adapter, BC-147\*      • Belt clip, MB-103Y
- Antenna, FA-S61V (fixed)      • Neck strap

Measurement made in accordance with IEC61097-12.  
All stated specifications are subject to change without notice or obligation.  
To comply with the requirements of GMDSS survival craft radio, the primary battery pack, BP-234, is required.

### DIMENSIONS



## OPTIONS

### LITHIUM BATTERY PACK



**BP-234**

<For survival craft>  
**BP-234** LITHIUM BATTERY PACK  
9.0V/3300mAh primary battery pack for GMDSS survival craft radio.

### Li-Ion BATTERY PACK



**BP-252**

<For on-board use>  
**BP-252** Li-Ion BATTERY PACK  
7.4V/950mAh (min), 980mAh (typ.).  
Same as supplied with some versions.

### REGULAR CHARGER



**BC-147**

**BC-173**

<For on-board use>  
**BC-173** DESKTOP CHARGER  
+ **BC-147**\*<sup>1</sup> AC ADAPTER  
Regularly charges the battery pack, BP-252 in 10 hours (approx.).

\*<sup>1</sup> BC-147SE for 230V AC. SA for 120V AC. SV for 240V AC.

### BELT CLIP



**MB-103Y**

**MB-103Y** BELT CLIP  
Alligator type belt clip. Same as supplied.

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