

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°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

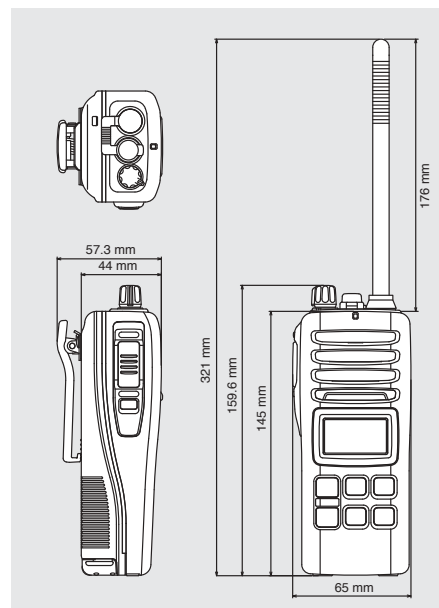
- Sensitivity (20dB SINAD) : -2dBμ typ. (emf)
- Squelch sensitivity : ±0dBμ typ. (emf) (at threshold)
- Adjacent channel selectivity : 70dB
- Spurious response : 70dB
- Intermodulation rejection : 68dB
- Hum and noise ratio : 40dB
- Audio output power : 0.2W (at 10% distortion with an 8Ω load)

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***¹ AC ADAPTER
Regularly charges the battery pack, BP-252 in 10 hours (approx.).

*¹ 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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