



## 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 1 m depth waterproof construction as specified by IMO resolutions A.809(19), A.894(17) 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
- VOX function built-in for hands-free operation with optional headset (on-board use only)



## SPECIFICATIONS

## GENERAL

- Frequency range Tx/Rx : 156.300~156.875MHz
- Mode : FM (16K000C)
- 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 (WxHxD) : 65x145x44 mm (projections not included)
- Weight (approx.) : 385g (with BP-234)

## TRANSMITTER

- Output power : 2W/1W (1RLow)
- Max. frequency deviation: ± 5.0kHz
- Frequency error : ± 1.5kHz
- Spurious emissions : 0.75μW (30MHz~1GHz)  
1.00μW (1GHz~26GHz)
- Adjacent channel power : 70dB
- FM Hum and noise ratio : 40dB
- Audio harmonic distortion : Less than 10% (at 60% mod.)

## RECEIVER

- Sensitivity (20dB SINAD) : -20dB (w/ temp)
- Squelch sensitivity : -60dB (w/ temp) (w/ threshold)
- Adjacent channel selectivity : 70dB
- Selective response : 70dB
- Intermodulation rejection : 68dB
- Hum and noise ratio : 40dB
- Audio output power : 0.2W (at 10% distortion with an 8Ω load)

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.

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

- Battery pack, BP-234
- Battery charger, BC-158\*
- AC adapter, BC-147E\*
- Belt clip, MB-103Y
- Antenna, FA-SB1V (fixed)
- Hand strap

## OPTIONS

## LITHIUM BATTERY PACK



BP-234

<For survival craft>  
**BP-234 LITHIUM BATTERY PACK**  
9.0V/3000mAh primary battery pack for GMDSS survival craft radio.

## Ni-Cd BATTERY PACKS



BP-224

BP-225

<For on-board use>  
**BP-224/BP-225 Ni-Cd BATTERY PACKS**  
BP-224 : 7.2V/750mAh. Same as supplied.  
BP-225 : 7.2V/1100mAh.

## REGULAR CHARGER



BC-147E

BC-158

<For on-board use>  
**BC-158 DESKTOP CHARGER**  
+ **BC-147E AC ADAPTER**  
Regularly charges BP-224 in 8-12 hours and BP-225 in 12-18 hours.

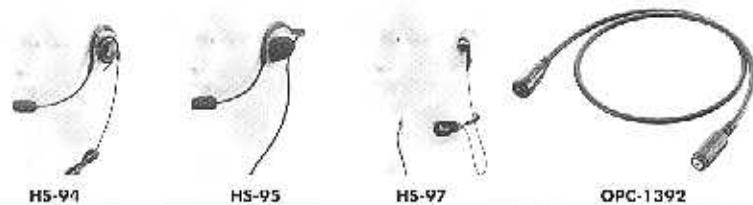
## BELT CLIP



MB-103Y

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

## HEADSETS and ADAPTER CABLE



HS-94

HS-95

HS-97

OPC-1392

<For on-board use>  
**HS-94/HS-95/HS-97 HEADSETS + OPC-1392 HEADSET ADAPTER CABLE**  
\* These headsets are not waterproof.

- HS-94** : Earhook headset with flexible boom microphone.
- HS-95** : Behind-the-head headset with flexible boom microphone.
- HS-97** : Throat microphone fits around your neck and picks up a speech vibration.
- OPC-1392** : Required when using these headsets with the transceiver.

## SPEAKER-MICROPHONE



HM-125

<For on-board use>  
**HM-125 SPEAKER-MICROPHONE**  
Full sized, waterproof construction corresponds to IPX7 (1 m deep 30 min.).

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