

The SAR FM Marine Communicator is a low cost, simple to use, fully immersible emergency radio. The unit provides a means of communication from personnel in a distress situation to aircraft or ship where they cannot be reached and no alternative communication method exists.



## 11-83 Marine Band Search & Rescue Communicator



The unit is ruggedly constructed, is fully sealed and can safely withstand water immersion, making it ideal for use in marine distress situations. The single channel version of the radio can be pre-programmed to operate on any of the internationally recognised marine channels.

Each unit is supplied with a tough hard fronted pouch so that they can be stored safely without the likelihood of accidental activation. The unit can be secured by a lanyard fitted to one of the loops on the pouch if desired.

A lithium battery is used to power the Search & Rescue Communicator, providing a shelf life of five years and an endurance of more than fifty hours when the unit is activated.

### Product Benefits:

- Low cost
- Simple to use
- Pouch supplied with unit
- Operates on VHF Marine Band (standard unit channel 16)
- Withstands water immersion
- Floats in water
- Five year shelf life when using Li-Ion batteries
- Endurance of ~12 hours
- Controls identified by international symbols
- Made in New Zealand



Carry Pouch

Receiver	
Channels available	01 thru 28 and 60 thru 88 or pre-programmed fixed one-channel only
Sensitivity for 12dB SINAD with 3kHz mod @ 1KHz	-115dBm ±3dB
Spurious emissions	>-47dBm
Spurious response (for 6dB SINAD with 3kHz mod @ 1KHz)	-53dBm
Bandwidth	±8KHz @ -6dB
IF frequency	10.7MHz
Audio output	50mW max
Typical distortion @ 1KHz 15dB SINAD	5% @ 3kHz deviation
Transmitter	
Channels available	01 thru 28 and 60 thru 88 or pre-programmed fixed one Channel only
Output into 50ohms	500mW ±2dB
Spurious outputs (relative to carrier)	-40dB max
Typical distortion @ 1KHz	3% @ 3kHz mod
Supply current	170mA approx
General	
Temperature operating range	-30 deg C to +60 deg C
Immersion	Pressure tested at 2ppsi.1 metre/water
Indicators	Power -green, Low battery power green (flashing), Sound "Beeps" on switch on/off and transmit.
Battery type	9 Volt PP3 case size, Lithium
Environment protection standard	IP675
Weight	290 grams
Size (not including aerial)	165mm x 70mm x 30mm
Aerial length	153mm