Developed by By Samyung ENC Co., LTD.

AIS MOB (Man Overboard)

Model: MOB-30T

Completion of development (around March, 2013)
Rescuing Man Overboard with Latest Technology

Samyung ENC’s AIS man overboard (MOB) location device directs rescue efforts with a transmitter that sends the first signal within 15 seconds of activation. Weighing just 145 grams and attached to life jackets with a clip, the device can withstand immersion at depths up to five meters for more than five minutes.

Once the device is activated, data output is relayed to the GPS Plotter (with AIS-MOB function) installed in the vessel. Then displays the exact location of the distress signal on an electronic chart allowing the ship to cooperate with a rescue helicopter or vessel. The MOB device, transmitting on shared AIS frequencies, has a range of four nautical miles and an operating life of at least 24 hours. White LED lamp flashes to indicate status. A safety pin prevents accidental activation of the distress button during transport and storage.

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**Standard Material**

- **Standards and physical specification**
  - Standards applied: IEC 61094-14, 60945 (ENV/EMC), 61108 part 1, ITU-R M.1371
  - Exterior case: High impact ABS-PC
  - Sealing depth: Immersion to 5m (More than 5 minutes)
  - Operating temperature: -20→+55°C
  - Storage temperature: -30→+70°C
  - Standard Compass Safe distance: ≤1° (at 30cm)
  - Size (L X W X D): 135 x 45 x 47 mm (without antenna)
  - Weight: 145g
  - Lifejacket attachment: Oral Tube, Clip type

- **Battery**
  - Battery life: 5 years

- **AIS Transmitter**
  - Transmission frequency (under shared AIS channel frequency): 161.975MHz and 162.025 MHz
  - Transmission output/Operating life: 2W / Minimum 24 hours

- **Functions**
  - First transmission: After 15 seconds from operation (No GPS)
  - Range: 4 nautical miles (typical)
  - Subsidiary position and status indicator: White LED lamp flashes
  - Safety pin to prevent accidental discharge: Prevent activation of distress button accidentally with safety pin