

Datum Marker Buoy (DMB)

RB-100 Series

Astronics DME's RB-100 series Datum Marker Buoys are battery powered search and rescue transmitters designed for deployment at sea from either a surface ship, fixed-wing aircraft or helicopter.



Product Information

The DMB utilizes a water brake system that allows deployment in water as shallow as 15 ft. The DMB has a built-in mercury switch that automatically activates when the transmitter is in the upright position.

Multiple frequencies are used to conduct simultaneous missions within a small area.

An attachment ring located in the top cap is for a tether rope (up to 3/8 diameter) when a distress marker light is required.

The DMB requires no scheduled maintenance and may be stored up to 10 years without batteries.

Part Numbers

- G1-09-0001-001 (240.600 MHz, AM): NSN 5825-01-378-4592
- G1-09-0001-002 (242.650 MHz, AM): NSN 5825-01-378-9225
- G1-09-0002-001 (156.750 MHz, GM): NSN 5825-01-378-9192

KEY BENEFITS

- Automatic activation
- No scheduled maintenance
- Hand deployable from aircraft or surface vessels
- Deployable from 200 to 500 feet and up to 200 knots
- May be tethered

ORDERING INFO

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Specifications

- Waterproof
 - Air Drop Speed
 - Air Drop Altitude
 - Dim Envelope
 - Transmitter Range
 - Operating Life
 - Power Source
 - Antenna
 - Power Output
 - Output Impedance
 - Spurious Output
 - Frequency Tolerances
 - Modulation Downward
 - Swept Tone
 - AM Modulation Cycle
 - AM Duty Cycle
 - FM Deviation
 - FM Duty Cycle
- To 30 feet
Up to 200 knots
200 to 500 feet
6 x 6 x 26 inches
25,000 sq. miles (typical)
Up to 48 hours
5 alkaline "D" cells
Vertically polarized, ¼ wave
0.5 watts, PEP minimum
50 Ohms
>37 dB below carrier
Less than +/- .005%
From: >1300 Hz
To: <600 Hz
90 to 95%
35 to 50%
3 kHz nominal
100%

