

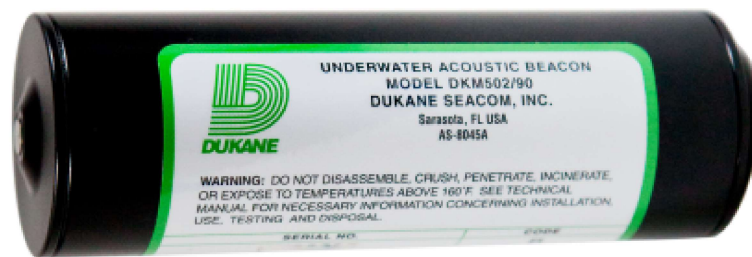


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DKM502/90



37.5kHz – 90 Day Marine Beacon Specifications

Building on over 50 years of underwater acoustic beacon manufacturing experience, Dukane Seacom has developed DKM502/90 which is the newest version of the IMO standard in underwater acoustic locating beacons for maritime use. Expanding on the proven reliability of the DKM502, the DKM502/90 will assist in location of VDR & S-VDR capsules up to 6096 meters or 20,000 ft. water depth.

The DKM502/90 will provide a minimum of 90 days of uninterrupted operation once activated, complying with minimum standard specification SAE8045A, IEC61996-1 & IEC-61996-2.& BSH approved

Physical Characteristics

- Watertight aluminum case (1.3”dia, 3.99” length (less mount)).
- Capable of operation at depths of up to 20,000 feet(6096 m)
- Detectable at a range of 2000 to 4000yards (1800 to 3600 meters) based on environmental factors.
- Sustained pressure up to 8700 psi.
- Dual water switch actuation initiates beacon operation upon immersion in either fresh or salt water.

- The battery used to power the DKM502/90 will sustain beacon operation for a minimum of 90 days at an acoustic output of 160 dB. Operating frequency is 37.5 kHz.

Beacon Specifications

Operating Frequency:	37.5 kHz ± 1 kHz
Operating Depth:	Surface to 20,000 feet (6096 meters)
Pulse Length:	9.0 milliseconds Minimum
Pulse Repetition Rate:	Not less than 0.9 Pulse/Sec.
Operating Life:	90 Days (Minimum)
Battery Life In Beacon:	3 Years
Acoustic Output, Initial:	1060 dynes/cm ² Rms pressure at 1 meter (160.5dB)
Acoustic Output After 90 Days:	700 dynes/cm ² Rms pressure at 1 meter (157.0dB)
Operating Temperature Range:	+28°F (-2.2°C) to +100°F (+37.8°C)
Actuation:	Fresh or salt water
Radiation Pattern:	Rated output over 80 percent of sphere
Size:	1.30 inches (3.30 cm) diameter x 3.99 inches (10.13 cm) long (less mount)
Weight, Beacon:	6.7 ounces (190 grams)
Weight, N30A26 Mount:	6 ounces (170 grams)
Storage Temperature Range	-67°F (-55°C) to 185°F (85°C)
Battery	Replaceable

Standard Features

- Military grade corrosion protection.
- Chemical coating systems MIL-A-8625
- Innovative engineering technology that protects against inadvertent actuations.
- ATS-270M Portable Test Set shall be used to perform operational tests on the beacon.
- It can be detected at a range of 2000 to 4000 yards with DSL-375 locator.

Underwater Locator Beacons

- [DKM590](#)
- [DKM502/90](#)

- DKM502
- DK485/K
- DK470
- DK350
- DK350L
- DK290 – Recorder Beacon
- DK140 – Recorder Beacon
- DK180 – Low Frequency Beacon
- DK120/90 – Recorder Beacon

 Questions? Get in touch

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