

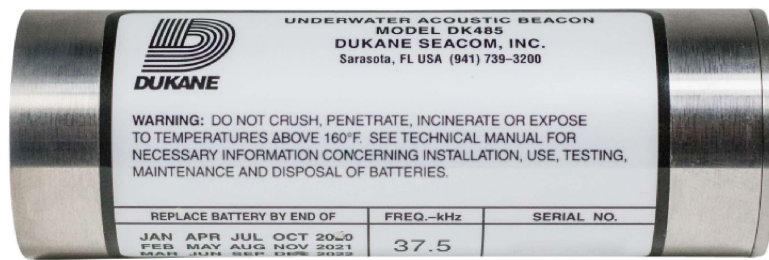


MENU



- Home
- Who We Are
- Products** ▾
- Documents & Resources
- Doing Business With Us
- Careers
- News & Events
- Contact Us

DK485/K



37.5kHz – 30 Day Marine Beacon Specifications

With Over 50+ years of crafting experience of underwater acoustic beacons the DKM502 is the acoustic locating beacons for maritime VDR & other application. DK485/K will assist in location of VDR & S-VDR capsules up to 6096 meters or 2000 ft. depth underwater at sea.

The DK485/K will provide a minimum of 30 days of uninterrupted operation once activated. These beacons have been tested to, and meet, or exceed, all requirements of SAE AS8045. The DK485 beacon is a battery-operated, 303 Stainless steel body, passivated finish underwater acoustic pulse generator that is activated when the water switch is immersed in either fresh or salt water at pressures greater than **7 to 10 PSI**.

Physical Characteristics

- Watertight aluminum case (1.25" dia, 3.86" length (less mount)).
- Actuation in fresh or salt water 7-10 PSI
- Capable of operation at depths of up to 20,000 feet (6096m)
- Detectable at a range of 2000 to 4000 yards (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 DK485/K will sustain beacon operation for a minimum of 30 days at an acoustic output of 160 dB operating frequency is 37.5 kHz.

Beacon Specifications

Operating Frequency:	37.5 kHz \pm 1 kHz
Operating Depth:	Surface to 20,000 feet (6096 meters)
Pulse Length:	10 milliseconds \pm 10%
Pulse Repetition Rate:	1 second \pm 10%
Useful Life:	6 years
Operating Life:	30 days (minimum)
Acoustic Output, Initial:	1060 dynes/cm ² rms pressure at 1 meter (160.5dB)
Acoustic Output, After 30 Days:	700 dynes/cm ² rms pressure at 1 meter (157.0 dB)
Operating Temperature:	+28°F to +100°F (-2.2°C to +37.8°C)
Actuation:	Fresh or salt water
Radiation Pattern:	Rated output over 80 percent of sphere
Size:	1.25" diameter x 3.86" long (3.18 cm diameter 9.80 cm long)
Material:	303 Stainless steel, passivated finish
Power Source:	Lithium Battery, single cell. Factory or user replaceable.
Storage Temperature:	-67°F to +160°F (-55°C to +71°C)

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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