

DKM Series Marine Voyage Data Recorder Beacon



- ◆ 5 Year Shelf Life
- ◆ Military Grade Corrosion Protection
- ◆ BSH and DNV Approved
- ◆ 5 Year Warranty

The DKM Series Underwater Acoustic Beacons by Dukane Seacom are designed for use with marine voyage data recorders to insure the recovery of the memory module at sea to depths of 6000 meters (20,000ft). For over 40 years, Dukane Seacom has been supplying high performance FAA and CAA certified underwater acoustic beacons for aircraft flight recorders (Black Boxes). Since 2001 they have been using that experience to supply the offshore shipping and container industry with a line of specially designed beacons to meet the requirements of the demanding maritime environment.

The DKM series beacons come in two models to provide an option for mounting considerations based on the type of recorder. Once mounted on a memory module, the DKM series beacons can withstand years of harsh weather and environment due to the military grade corrosion protection that meets the stringent Mil-A-8625F specification and is backed by a 5 year warranty. In addition, a 5-year battery provides the most cost-effective maintenance for the life of the beacon. Reliability is assured by approvals from BSH and DNV to IEC 61996-1, IEC 61996-2 and SAS AS8045 specifications.

If there is a loss at sea, the beacon's water-switch automatically activates and an acoustic signal is sent into the water continuously for over 30 days to insure recovery of the memory module. RJE International supports the DKM series beacons with its full line of tracking and homing systems for use by divers, ROV's and subsea vehicles to help recover the recorders lost at sea. These systems and acoustic receivers detect and home-in on the signal from a DKM beacon over a mile (1.6km) away.

DKM502 Specifications

Operating Frequency	37.5KHz (± 1kHz)	Acoustic Output	160.5dB re 1 μ Pa @ 1m
Battery Operating Life		Pulse Length	9.0 ms MinimumPulse
Stand-by (Shelf Life)	5 Years	Operating Depth	6,096 m (20,000 ft.)
Operating Life	33 Days Minimum	Housing	Aluminum
Repetition Rate	0.9 Pulses Per Second	Corrosion Protection to	Mil-A-8625F
Dimensions		Weight	170g (5.5) oz. Maximum
Length	9.95 cm (3.92 in.)	Activation	Water Switch
Diameter	3.3 cm (1.3 in.)	Storage Temperature	-54°C to 71°C

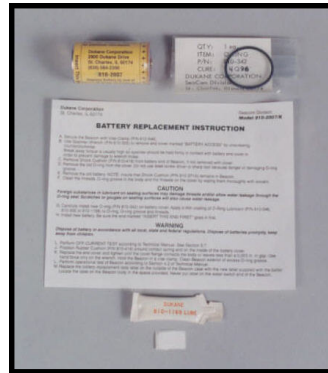
DKM504 Specifications

Operating Frequency	37.5KHz (± 1kHz)	Acoustic Output	160.5dB re 1 μ Pa @ 1m
Battery Operating Life		Pulse Length	9.0 ms MinimumPulse
Stand-by (Shelf Life)	5 Years	Operating Depth	6,096 m (20,000 ft.)
Operating Life	33 Days Minimum	Housing	Aluminum
Repetition Rate	0.9 Pulses Per Second	Corrosion Protection to	Mil-A-8625F
Dimensions		Weight	139g (4.5) oz. Maximum
Length	7.30 cm (2.85 in.)	Activation	Water Switch
Diameter	3.3 cm (1.3 in.)	Storage Temperature	-54°C to 71°C

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DKM502/504 ACCESSORIES



810-2016K Battery Kit
for DKM502 and DKM504



TS300 Acoustic Test Set

The TS-300 Ultrasonic Test Set by Dukane is a rugged and cost effective tester, designed to check the battery health and operation of the DKM 502 and DKM504 beacons.

An LCD readout indicates battery status while beacon operation is confirmed by an audible "ping" from the TS300.



42A12/1 Acoustic Test Set

The 42A12/1 is a battery operated acoustic tester tunable over the ultrasonic frequency range of 30 to 45 kHz.

The 42A12/1 was designed primarily as a self-contained, hand-held operational tester for testing underwater acoustic beacons or other acoustic sound sources. Utilizing the internal microphone and loud-speaker, the test set can perform an operational test on a beacon without removing the beacon from its mounting, and it ideal for field testing.

DUKANE