



DK100 Underwater Acoustic Beacon

The Dukane DK100 Underwater Acoustic Beacon provides the aviation industry with a combination of superior technology. Mounted on flight recorders (voice and data) and military aircraft, the DK100 greatly assists in the underwater recovery of aircraft and their recorders.

FAA & CAA approved under TSO-C121, the rugged and durable construction of the DK100 ensures its survival even under high-impact shock. Once activated, the DK100 will operate in water depths to 20,000 feet (6000m). Using a 6 year battery, the DK100 continuously sends out an acoustic signal for a minimum of 30 days (90 days optional).

The DK100 is equivalent to Benthos (Datasonics) sealed version of ELP-362D/S Emergency Locator Beacon and is approved for use by all major flight recorder manufacturers including Honeywell Aerospace, GEC Marconi, L3 Communications, Sfim Co., and Smiths Industries.

With over 30 years of experience, Dukane has been the choice of aviation experts for their recovery beacon requirements with quality and customer service second to none.

We also offer a full line of equipment to help recover aircraft lost at sea; such as the PRS-275 pinger receiver system which will detect and home-in on the DK100 from over a mile away.

Recovery Equipment for the DK100

PRS-275 Pinger Receiver System

- ***TSO-C121 APPROVED***
- ***NON HAZARDOUS-LITHIUM BATTERY***
- ***EQUIVALENT TO THE ELP-362D/S***



SPECIFICATIONS

Operating Frequency	37.5KHz (\pm 1kHz)
Acoustic Output	160.5db ref 1 μ Pa @ 1m
Pulse Repetition Rate	0.9 Pulses Per Second
Pulse Length	10 ms
Activation	Immersion In Salt Or Fresh Water
Power Source	Non-Haz Lithium Battery
Battery Operating Life	
Stand-by (Shelf life)	6 years
Operating Life	30 Days (<i>90 days optional</i>)
Operating Depth	20,000 Feet (6,096 m)
Housing Material	7075 T6 Aluminum
Dimensions	
Length	3.92 in. (9.95 cm)
Diameter	1.3 in. (3.3 cm)
Weight	6.7 oz. (190 g)

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DUKANE

DK100, Rev B, 12/05



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TS200 Acoustic Test Set

The TS200 Ultrasonic Test Set by Dukane is a rugged and cost effective tester designed to check the battery health and operation of the DK100 Emergency Locator Beacons.

Battery operated, the TS200 is easy to use and allows for testing of the beacons in or out of the beacon's mount.

A LCD readout indicates battery status, while beacon operation is confirmed by an audible "ping" from the TS200.

Although calibrated at the factory, the TS200 can be calibrated in the field by using the CT200 Calibration Set.



N30A26
Beacon Mount for the DK100

(Other mounts available)

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