

Ultrasonic Hatch Leak Detector

for testing the
weather and water
tightness of cargo
hatch covers



Cygnus Hatch Sure

SONOTEC 

A lightweight ultrasonic system

ULTRASONIC HATCH LEAK DETECTOR



Hatch Sure Receiver



Hatch Sure Transmitter



Microphone mounted on Telescopic Extension

Hatch Sure Receiver

Size	110 mm x 185 mm x 45 mm (4.4" x 7.3" x 1.8") W x H x D
Weight	400 g (14 oz) including battery
Power	9v PP3 battery - Duracell Proline supplied
Battery Life	8 hrs continuous
Protection	IP65 (IP66 in soft-pouch)
Frequency	40.000 KHz, Bandwidth ± 200 Hz
Enclosure	ABS plastic with orange shock-absorbing outer boot. Outdoor all weather soft-pouch with waist mounted belt strap.
Temperature Range	Operating -10 C to +40 C Storage -10 C to +50 C
Warranty	1 year

Hatch Sure Transmitter

Size	120 mm x 150 mm x 90 mm (4.7" x 5.9" x 3.5") W x H x D
Weight	550 g (19 oz) including batteries
Power	6 x AA Batteries (6 x Rechargeable NiMH 2700 mAh supplied with kit) External 12-24 v DC power input socket; 1 amp
Battery Life	4.5 hrs with 2900 mAh NiMH batteries
Battery Charger	A four cell AA fast-charger is supplied 100 to 240 v AC 50-60 Hz Supply Charge time is approx. 1 hour
Protection	IP40 in soft-pouch with transmitter elements exposed (normal use) IP42 in soft-pouch with cover flat secured (storage)
Transmitter Frequency	40.000 KHz, ± 80 Hz Bandwidth, Frequency Modulated.
Transmitter Elements	19 x 16mm diameter 40 KHz ultrasound transmitters.
Transmitter Power	130 dB (SPL) min.
Enclosure	ABS plastic. Padded soft-pouch with protective weather cover and 4 points for attaching rope for lowering into holds.
Temperature Range	Operating -10 C to +40 C Storage -10 C to +50 C
Warranty	1 year

Hatch Sure Microphone:

Size	Length 240 mm (9.4 inch), Diameter 15 mm (0.6 inch)
Warranty	1 year

Hatch Sure Telescopic Extension:

Size	Extended Length 1.215 m (4 foot) Collapsed Length 0.4 m (16 inch)
Weight	200 g (7 oz)
Warranty	1 year

SONOTEC preserves the right to change technical specifications without further notice.



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