



Cygnus Hatch Sure

Ultrasonic Hatch Leak Detector

A lightweight ultrasonic system for testing the weather and water tightness of cargo hatch covers

Technical Specifications



Hatch Sure Receiver

| 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 – 2 x MaxE Rechargeable batteries supplied. |
| Battery Life | 4 – 5 hrs continuous with MaxE rechargeable battery 8 – 9 hrs continuous with Alkaline battery |
| 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 +50 C Storage -10 C to +60 C |
| Warranty | 3 years |



Hatch Sure Transmitter

| 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 +50 C Storage -10 C to +60 C |
| Warranty | 3 years |



Inspection Microphone mounted on Telescopic Extension

| Hatch Sure Inspection 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 |

Kit Contents

Hatch Sure receiver with protective case, 2 rechargeable batteries for the receiver, neck and waist strap, telescopic extension and cable, two flexible inspection microphones, neck band headphones, Hatch Sure transmitter with protective case, 2 sets of 6 rechargeable batteries for the transmitter, fast charger for the rechargeable batteries, external DC power lead for the transmitter and operation manual, emergency microphone cable.