

Door Safe™

Ultrasonic Door Tightness Tester



Door-safe is a device that uses ultrasonics to test for leaks in watertight and weather tight doors in containers and off-shore storage and cabins.

- **The Door-Safe water integrity tester**
 - Reduces time to test watertight and weather tight doors to 1/10th of that using hose testing.
 - Minimum amount of training by on-line video.
 - It is clean and environmentally friendly creating no waste and using a minute amount of power.
 - Reproducible readings in standard decibel units
 - Accurate to within 1cm (½")
 - DNV approved method of testing and ABS Type Approved.
- **Accreditations**
 - ABS TYPE APPROVAL Pending
 - ABS Product Design Assessment Certificate Number 05-LD485608/1
 - PDA ABS Manufacturing Assessment Certificate Number 06-LD750707-X
 - ISO 9001:2008 Certificate Number GB13487
 - IIMS Corporate Membership Number C508
 - NCAGE Number UOB22
 - NATO Number 6635-99-464-5624



- **How a Door-Safe™ works:**

1. The transmitter unit is placed behind the door or hatch about 15ft (5 metres) from the door.
2. The door or hatch is then closed and the microphone is moved around the door seal form the other side.
3. If there is no sound through the headphones and the display reads zero, the seal is perfect and water-tight.
4. If the display reads greater than zero and you hear a sound, then there is a leak in the door seal big enough to allow the ultrasonic signal through and this seal is not water-tight.



- **The complete Door-Safe™ kit includes:**

- Ultrasonic Transmitter unit with internal magnet in leather case
- Receiver unit in leather case
- Hard hat compatible headphones
- One flexible inspection microphone
- Full operating instructions
- Microphone lead
- Transmitter mounting tripod
- 12 x AA Alkaline batteries
- 2 x PP3 9v batteries
- 380 x 320 x 100mm blue carry-case (15 x 12.6 x 3.9")
- Total weight of kit in carry-case: 2.7kg (5.95lb)

- **Transmitter Details**

- 13 Emitters giving omni-directional 40KHz emissions
- Controls:
 - ON/Off
 - High/Low power
- Built in magnets for attaching to steel panelling
- Power: 6 x AA batteries, 20 hour life with alkaline batteries.
- Size: in leather case 220 x 120 x 80mm (8.7 x 4.7 x 3.1")
- Weight: 200g (7oz)
- Leather case: water resistant and shock proofing
- Neck straps for ease of carrying



- **Receiver Details**

- Low noise receiver for detecting small leaks.
- Built in microphone and loudspeaker for fully flexible operating modes.
- External microphone socket
- External headphone socket
- Backlight facility for working in the dark
- Peek Hold facility for rapid surveying
- Accurate to 1dB
- Power: 1 x PP3 9v battery, 20 hour life with alkaline batteries
- Size: in leather case 160 x 100 x 30mm (7.3 x 5.1 x 2")
- Weight: 225 g (7.9oz)



- **Inspection Microphone**

- Weight: 110g (3.9oz)
- 330x10mm (13"x0.4")
- Bright yellow to aid visibility



- **Headphones**

- Weight: 50g (1.8 oz)
- 3.5mm (1/8") stereo jack plug
- Hard hat compatible



- **Transmitter Mounting Tripod**

- Aluminium
- Weight: 660g (23oz)
- Dimensions: 350mm (14") – 1050mm (41")

