DOOR-SAFE™
Ultrasonic Water-Tight Tester

DOOR-SAFE™ is an American Bureau of Shipping (ABS) Type Approved ultrasonic unit that provides a quick and simple method of establishing water and weather tightness in doors, hatches, citadels and windows.

The easy to use DOOR-SAFE™ kit consists of 2 units, an ultrasonic transmitter unit and a portable, hand-held receiver unit connected to a flexible inspection microphone and hard-hat compatible headphones, see Kit list. The transmitter and receiver are each supplied in protective leather cases fitted with neck straps to allow for hands-free use. The complete DOOR-SAFE™ kit is contained in a blue polymer foam-lined carry case for easy transportation and storage.

Class Instrumentation Ltd
London, United Kingdom
Telephone: +44 (0)20 8333 2288
info@classltd.com
www.classltd.com

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like us on facebook.com/ClassInstrumentation

DOOR-SAFE ACCREDITATIONS:
• American Bureau of Shipping (ABS) TYPE APPROVED Certificate Number LD750707
• ISO 9001:2008 Certificate Number GB13487
• International Institute of Marine Surveyors (IIMS) Corporate Membership Number C508
• NATO Commercial And Government Entity (NCAGE) Code U0B22
• DOOR-SAFE NATO Stock Number 6635-99-464-5624
UNLIKE HOSE OR CHALK TESTING, THE ULTRASONIC WATER-TIGHT TESTER:

• can locate holes and tears in seals with pinpoint accuracy
• can be conducted in sub-zero temperatures
• does not interfere with other crew activities

DOOR-SAFE™ APPLICATIONS

• Water-tight doors in the offshore, marine and aero-space industries
• Cars, yachts and cars
• Water-tight hatches and windows
• Navy doors & citadels
• Shipping containers

HOW THE DOOR-SAFE™ ULTRASONIC WATER-TIGHT TESTER WORKS...

The principle for ultrasonic testing is very simple. A transmitter generating an ultrasonic signal is placed on one side of the door, either on the tripod or using the built-in magnets to attach to a suitable steel wall. The surveyor or operator, then uses the DOOR-SAFE™ ultrasonic receiver to detect any ultrasonic sounds that pass through to the other side of the door with pin-point accuracy. If ultrasound can pass through, then it is also true that water may be able to pass through and the door is not water-tight. The size of the problem can be established from the strength of the signal detected.

OTHER DOOR-SAFE™ FEATURES

• Each DOOR-SAFE™ ultrasonic hatch cover tester comes with its own certificate of calibration and conformity.
• No training needed to operate - full instructions given.
• Simple to use, fast and accurate results.
• Transmitter switchable between HIGH 200mW and LOW 100mW output.
• Receiver has an internal microphone and 1 watt loud-speaker—the unit can therefore be used without the microphone or headphones if required.
• 5 year recalibration period.
• Suitable to be carried as hand luggage on aircraft.
• Low noise receiver measuring ultrasonic in international standard decibels.
• Suitable for a wide range of applications
• 3 year warranty on receiver and transmitter units.
• Durable and storm proof, environmental protection to IP66.
• LCD display allows ease of reading in bright sunshine or in darkness.
• LED and sound warning of low battery on the transmitter, low battery warning on the receiver.
• Direct access to free technical support for the life of the product.

THE COMPLETE DOOR-SAFE™ KIT INCLUDES

• Blue foam-lined plastic carry-case
• Certificate of Calibration and Conformity
• Bi-frequency ultrasonic transmitter unit in black leather case with straps
• Receiver displaying dB and bar-graph, in black leather case with straps
• Hard hat compatible headphones or sound isolated version
• Flexible inspection microphone
• Telescopic extension arm with grip
• Microphone lead
• Tripod for transmitter placement
• Full operating instructions
• 6 x AA alkaline battery
• 1 x PP3 9v alkaline battery

• Total weight of kit in carry case as shown: 2.7kg
• Complete operational weight 2.4kg

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