

Technical Specifications

Receiver

- Dimensions:
 - Main Unit: 225mm (L) x 135mm (W) x 35mm (D)
 - Sensor Wand: 230mm (L) x 25mm (Diameter)
 - Extension aluminium sections provided for additional length
- Weight:
 - Main Unit: 1051g
- Readings:
 - Visual: Displayed on user interface as percentage or in decibels
 - Audible: Ultrasound converted to audible frequencies, played via headphones
 - Measures cross-sectional area of leak sites and predicted flow rates
 - Switch between metric and imperial units for leak sizes and flow rates
- Accuracy:
 - Detect leaks as small as 0.5mm and below
 - Quantify leak areas to within 10%
- Power Supply:
 - Rechargeable LiPo Battery, 6+ of continuous use
- Display:
 - 7-inch Capacitive Touchscreen, LCD back-lit
 - Resolution: 1024x600
- Camera
 - 8-megapixel camera on rear of device
- Operating Temperature
 - -10°C to +65°C / 14F to 149F
- Warranty
 - Main Unit: 3 years
 - Sensor Wand: 1 year

Generator

- Dimensions:
 - 112mm (L) x 67mm (W) x 25mm (D)
- Weight:
 - 137g
- Output:
 - Single 40kHz Transducer
 - Variable power settings, 0-100%
- Power supply:
 - Rechargeable LiPo Battery, 6+ hours of continuous use
- Operating temperature:
 - -10°C to +65°C
- Range:
 - Test structures with generator up to 10m away
- Mounting method:
 - Place on top of suitable surface or mount in tripod provided
- Warranty:
 - 3 years

What's in the Box



- **1 x Portascanner® AIRTIGHT 520 Main Receiver Unit**
 - Handheld, portable, battery-powered main unit with 7-inch touchscreen display
- **1 x Portascanner® Ultrasound Sensor Wand**
 - Highly directional, for precise and accurate location of leak sites
- **2 x Aluminium Sections and 1 x Sensor Handle**
 - Additional aluminium sections to extend the sensor wand for difficult-to-reach areas and a handle to provide a comfortable, ergonomic grip
- **1 x 5cm Sensor Positioning Guide**
 - Clips onto the sensor wand to aid in maintaining consistent distance to leak when performing measurements
- **1 x Portascanner® Ultrasonic Generator**
 - Generates a powerful ultrasonic signal to fill the room or compartment with ultrasonic waves. Variable output power for greater versatility
- **1 x Tripod Stand and Clamp**

- Tripod and adjustable clamp to mount and position the generator anywhere in your room or compartment
- **1 x Pair of Headphones**
 - Provides users with additional, audio feedback on leak detection
- **1 x Micro-USB Charger**
 - To recharge the batteries in both the main receiver unit and the generator
- **1 x USB Stick**
 - 2GB USB drive to export reports and data to be viewed on computer
- **1 x USB WiFi Dongle**
 - Allows the device to connect to the internet for remote updates
- **1 x USB Splitter**
 - Connect multiple USB peripherals (WiFi Dongle, keyboard, mouse) to the device when updating
- **1 x Operating Manual**
 - Contains further information regarding the functionality of the instrument and how-to-use
- **1 x Calibration Certificate**
 - As evidence that the unit has been tested and shown to be working before dispatch
- **1 x Robust Carrying Case**
 - For portability and ease of carrying the equipment



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