GUTERMANN

AQUASCOPE 550©

Digital Acoustic Water Leak Locator

The world's only acoustic listening device with 'Frequency Shifting' designed to locate hard to find leaks on plastic pipes.

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Powerful and intelligent – hear the inaudible noise

The unique feature "Frequency Shifting" makes audible what was once not audible: It lifts otherwise inaudible low frequency noise (below 30 Hz) that is common for leaks in plastic pipes or large diameter pipes to a higher, readily audible frequency band.

Manual filters are user-programmable in blocks of 40Hz. A large graphical display transforms the crystal digital sound into a visual frequency spectrum showing a clear peak of the leak and aiding the advanced technician to pinpoint the most difficult leaks with ease.

Simple operation and versatile for all situations

With only 2 buttons/dials on the control unit and 3 pre-set filter ranges, the operation of the AQUASCOPE 550 is very quick and easy. The amplifier can also be activated and de-activated with a trigger button directly on the microphone, leaving the other hand free to carry other tools. A twin headphone socket enables a second operator to listen in.

The "Minimum Level Profiling" function enables the operator to record leak values that are independent of passing traffic and other ambient noises. The AQUASCOPE 550 latches to the lowest noise recorded at each sounding. The last eight readings are displayed as bar chart showing the operator whether he is moving away from or closer to the leak.

Built for frequent use and a long life

The AQUASCOPE 550 has an ergonomic design and a very solid, yet light-weight body that was designed specifically for utilities that are faced with the everyday challenge of finding leaks on plastic and large diameter pipes. The microphones are constructed of robust high-grade stainless steel and rubber for comfort and stability.

The AQUASCOPE 550 is highly reliable and virtually maintenance-free which makes it an extremely cost-effective product over its expected lifetime. GUTERMANN provides a 2-year factory warranty like on all other products from GUTERMANN.

With ground microphone or electronic listening stick

The AQUASCOPE 550 comes with the choice of either a ground microphone or an electronic listening stick (hand probe), or as combined kit. The ground microphone 'foot' is robust, weather proof and acoustically shielded against non-leak interference. It is particularly suitable for leak surveys on flat grounds and roads. The versatile hand probe incorporates a handle and the same high-performance sensor as the ground microphone. It and allows direct listening on fittings or – with a tripod foot magnetically attached to it – on soft grounds and on walls.

System Configuration

Basic Configuration:

1 Amplifier with waist belt
1 Stereo headphones
1 Connecting cable
1 Operating manual
2 Year warranty

With Ground Microphone:

1 Ground microphone
1 Ground microphone rod

With Hand Probe:

1 Hand probe microphone
3 400mm probe rods
1 Tripod foot

Optional Accessory

1 Carry case
1 Aviation quality headphones
1 Pocket ground microphone kit

Technical Specifications

Display mode	Simultaneously showing real time spectrum, signal and minimum noise
Amplification	Greater than 100 dB
Signal processing	Very low noise preamplifiers with automatic gain
Frequency shifting	4 scales of frequency shifting
Filters	Three pre-set filters and manual filter for custom setting
Memory	Last 8 measurements
Display	Transflective LCD with backlight
Operation	Waterproof rotary switch and on/off button
Power	2 standard "C" or "LR14" alkaline batteries
Battery life	25 hours with backlight off, 12.5 hours with backlight on
Operating temperature	-20°C to +50°C (-4°F to +122°F)
Ingress protection	Ground and hand probe microphones: IP67
Dimensions	Amplifier: 230 mm x 80 mm x 85 mm (9.1" x 3.1" x 3.3") Ground microphone: Ø 150 mm x 150 mm (Ø 5.9" x 5.9") Hand probe: Ø 35 mm x 200 mm (Ø 1.4" x 7.9")
Weight	Amplifier: 1 kg (2.2 lbs) including batteries and carrying strap Ground microphone: 1.6 kg (3.5 lbs) Hand probe: 0.4 kg (0.9 lbs)

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