Aqua M-300D

Complete Kit:

1. Headphone
2. Universal ground microphone
3. Extension with tip
4. Wind protected ground microphone
5. Test rod microphone
6. Magnetic adapter
7. Tripod adapter
8. Strap
9. H_2 probe
10. H_2 ground probe
○ PC connection cable
○ Software
○ Transport case
○ User manual

Aqua M-300D

Technical Specifications

Operation modes	minimal display (bar chart)
	frequency spectrum
	pyramid mode
	long term measurement
	tracer gas leak detection
	real time display
Filter	analog Chebyshev
	48 dB / octave slope
	256 freely selectable analog
	and digital filter stages
	automatic function
Gain	manual: > 60000 times
	automatic: shut off
	hearing protection
Operation	buttons / encoders / touch
	active assistance
Display	daylight readable color display with
	LED backlight
	480 x 272 pixels
Power supply	4 x LR14 1.5 V or rechargeable batteries
Operating time	> 14 hours
Housing	aluminium powder coated
Dimensions	201 x 160 x 60 mm
Weight	1800 g with batteries
Protection	IP 54
Operating temperature	operating: - 10 C to + 55 C
	storage: - 20 C to + 60 C

Sensors

Acoustic sensor sensitivity	> 1000 pC/g	
Acoustic sensor weight	universal microphone	approx. 870 g
	ground microphone	approx. 2300 g
	test rod	approx. 1250 g
Acoustic sensor protection	universal microphone	IP 65
	ground microphone	IP 54
	test rod	IP 54
Acoustic sensor operating	operating: - 05 C bis + 55 C	
	storage: - 20 C bis + 60 C	
Gas sensor sensitivity	1 ppm H_2	
Gas sensor range	10 ppm to 50,000 ppm	
Gas sensor response time	0.5 sec	
Gas sensor weight	hand sensor:	approx. 400 g
	ground sensor:	approx. 950 g
Gas sensor protection	hand sensor:	IP 65
	ground sensor:	IP 54
Gas sensor operating temperature	operating: - 10 C to + 55 C	
	storage: - 20 C to + 60 C	
Software	data storage 10 per modus	
	data export	
Transport	ABS plastic hard case	

*Technical changes reserved

Intelligent Acoustic Leak Detection with Tracer Gas

- Pyramid mode
- 256 analog and digital filter stages
- Automatic function for filtering and amplification
- Long term measurement
- Tracer gas leak detection

"Advanced Technology for Water, Sewer & Gas Professionals"

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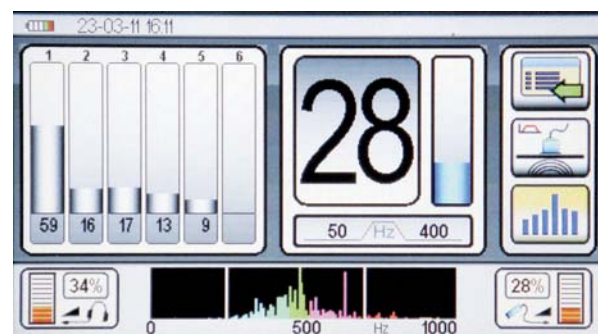**info@pipetoolsinc.net**
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Aqua M-300D
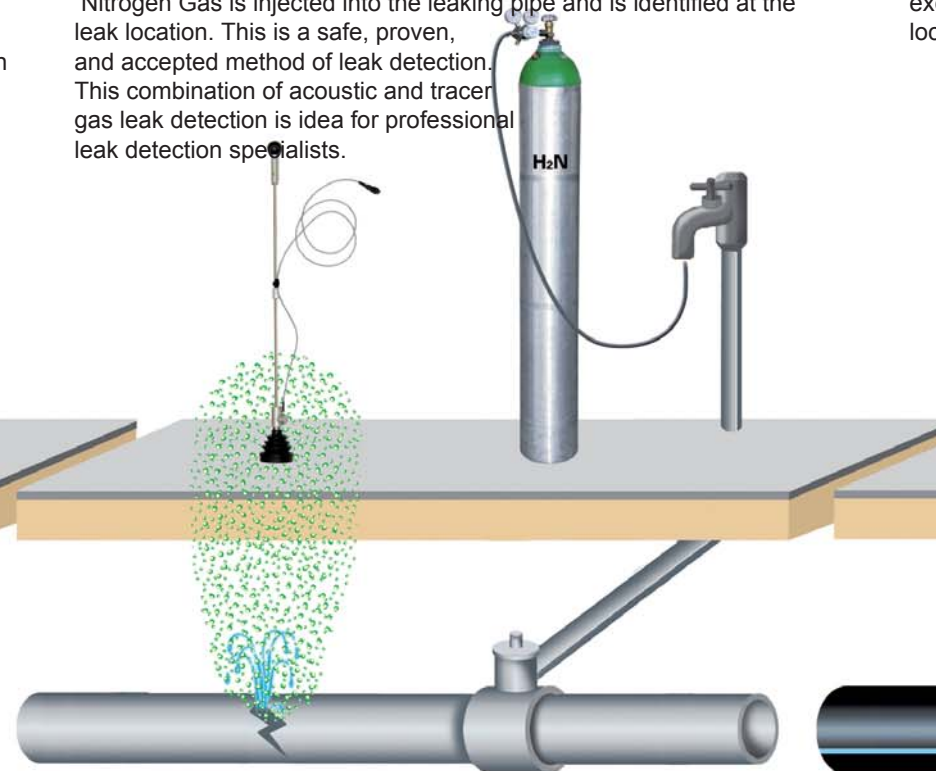
Acoustic Leak Detection:

A clear and easy to use display identifies leak information effectively. 256 adjustable or automatic filter settings reduce unwanted background or environmental noises to optimize results. With the automatic adjustment of both amplification and filter settings the identification of the smallest of leaks is possible.
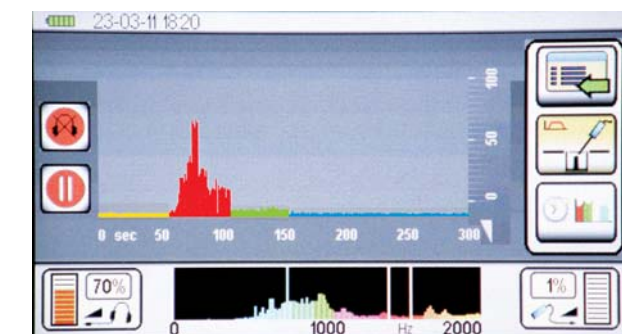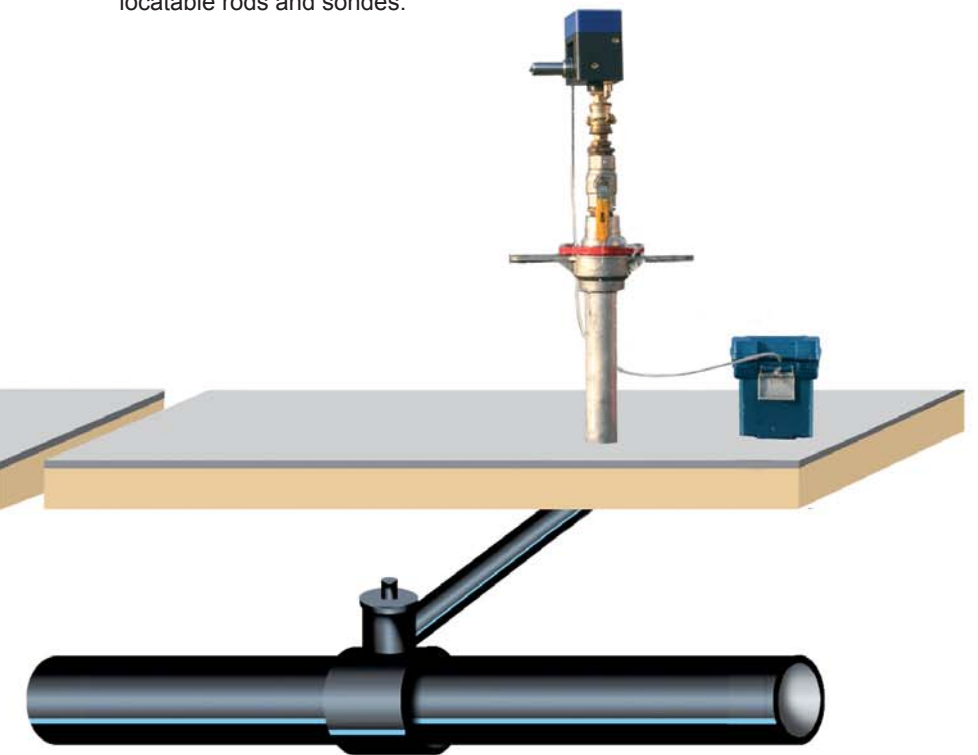
Tracer Gas Leak Detection:

Even the most advanced filter settings cannot eliminate all unwanted background or environmental noise. The Aqua M-300D uses Tracer gas technology to locate the leak. A mixture of 5% Hydrogen and 95% Nitrogen Gas is injected into the leaking pipe and is identified at the leak location. This is a safe, proven, and accepted method of leak detection. This combination of acoustic and tracer gas leak detection is idea for professional leak detection specialists.
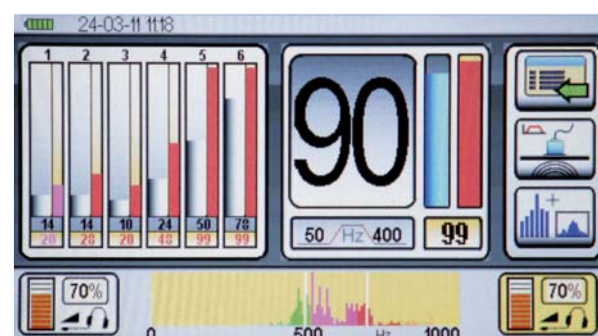
Acoustic Pipe Locating with PWG:

Locating Plastic Pipe is still a technical problem and can be challenging. The Aqua M-300 D can be used in conjunction with a Pulse Wave Generator (PWG) to acoustically locate pipe. This is an excellent compliment to GPR and insertion tools like fiberglass locatable rods and sondes.

Innovation. Powerful Analysis and Optimization.

The Pyramid mode utilizes intelligent algorithms running automatically in the background to optimize the leak information resulting in unmatched precision in determining the leak location. By using these innovative and unique methods of measurement including the Chebyshev Analog Filter with 48dB, octave slope unwanted environmental and background noise is reduced.

Daylight readable Color Display with LED Backlight