

Aquapulse - AQ1B

Underwater metal detector system

Options and Accessories



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The Aquapulse metal detector is a rugged and completely modular system. The module is rated to 100m depth in water, and has 3 mounting options available.

The Ikelite connector system and dual controls on the control module allow for use with any of our range of AQ1B accessories. That way, you can use the optimum search loop and audio device for each job.

The built in NiMH battery has enough capacity for over 10 hours of continuous operation.

This new compact version is much lighter than previous versions, and has a greater resilience to the tough underwater environment.



Gold bar found with Aquapulse 20cm kit (with underwater headphones)
Photo courtesy of the Mel Fisher Group (Florida)

Standard systems



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AQ.1.020 Standard 20cm (8'') kit

Consists of control module, quick releaser harness, bonephone, battery charger and 20cm (8'') loop with stem.

This is the most compact and economical version in the Aquapulse 1B range. The short folding stem allows the diver to stow the loop until required.

This version has the highest sensitivity to very small gold items due to the more focussed sensing area.

AQ.1.030 Standard 25cm (10'') kit

Consists of control module, quick release harness, bonephone, battery charger and 20cm (10'') loop with extending handle.

This version has a slightly more powerful sensing loop than the 20cm kit and longer reach due to the extending handle.

The extending handle allows for short duration use for beach and land searches. For extended use on land the armsaver assembly - as supplied with the 38cm kit—is a more practical solution.



AQ.1.010 Standard 38cm (15'') kit

Consists of control module, quick release harness, bonephone, battery charger, 38cm (15'') loop and armsaver assembly.

This version is the most powerful general purpose search tool due to the large field of energisation created by the 38cm loop. This version allows a very wide sweep width—approx 3m (10ft) and deep penetration into all types of bottom material.

Accessories—Audio



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AQ.4.061 Bonephone

Fully waterproof bonephone utilises an Ikelite underwater connector for use with the AQ1B control module.

Normally places against the skull at the back of, or below the ear whilst underwater enabling the diver to clearly hear the change in the detector tone when metal is sensed.

AQ.4.030 Land headphones

Rugged headphones for use above water enabling the AQ1B to be utilised as a powerful land detector.

The headphones feature an adjustable volume control and a comfortable fit for the operator.



AQ.4.031 Underwater Headphones

Rugged headphones for use underwater giving an alternative for the bonephone. These are particularly useful in warm waters where a diving hood is not normally worn. They also provide a more powerful sound level that can enhance the ability to sense even the most subtle changes in the audible output.



Accessories - Mounting



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AQ.4.000 Armsaver

This 2 part set is normally used in conjunction with a 38cm loop, but it will also work with the 20cm and 25cm loops. A set of Velcro straps secure the armsaver to the users arm and enable the user to comfortably support a loop for long periods of time.

The AQ1B control module can be securely mounted to the lower cup of the armsaver (as shown).

(AQ1B and loop not supplied)

AQ.4.001 Extending Handle

Normally used in conjunction with the 25cm (10") loop (but will also work with the 20cm and 38cm loops), this GRP handle is fully adjustable from 60cm to 102cm (24" to 40").

Picture shows fully extended handle attached to a 25cm loop (not included)



AQ1B module not included

AQ.5.011 Waist belt

Using the fast and secure Velcro system, this adjustable belt with quick release buckle is an ideal mounting option and supplied as standard with any kit.

AQ.5.012 D ring

Using the fast and secure Velcro system, the D ring allows the control module to be attached to a Karibiner

Accessories - Sensing



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AQ.4.080 **20cm (8'') loop**

Fully waterproof compact search loop with 30cm (12'') short stem. Ideal for finding smaller items due to the concentrated search area.

AQ.3.001 **20cm (8'') loop with 2m cable**

Same loop as AQ.4.080, but without the handle. This can be used with the extending handle (AQ.4.001) or the armsaver (AQ.4.000)

AQ.3.002 **25cm (10'') loop**

Fully waterproof robust, mid-sized search loop offering an alternative to the 20cm and 38cm loops.

Normally used with the extending handle (AQ.4.001)



AQ.3.003 **38cm (15'') loop**

Fully waterproof large search loop. This gives the largest sensing range and when used with the armsaver gives a good sweep range underwater and a good balanced unit for land use.

Accessories - Sensing



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AQ.3.004 **38cm (15'') loop with 20m cable**

This is the same as the AQ.3.003, but has a 20metre (65ft) length of reinforced cable. The extended length of cable allows the loop to be slowly towed behind a boat or simply lowered down for drift searching. This system of operation allows metallic contact areas to be located prior to deploying a diver.

This item is indispensable for extended shallow water searches in low visibility conditions.

AQ.3.040 **30cm (12'') probe**

Fully waterproof probe, 30cm (12'') in length, for searching in small crevices and for digging amongst sand and silt. The diameter of this is 22mm (7/8'').



AQ.3.041 **90cm (36'') probe**

Same as AQ.3.040, but with greater length, adjustable up to 90cm (36'') for deeper crevices.

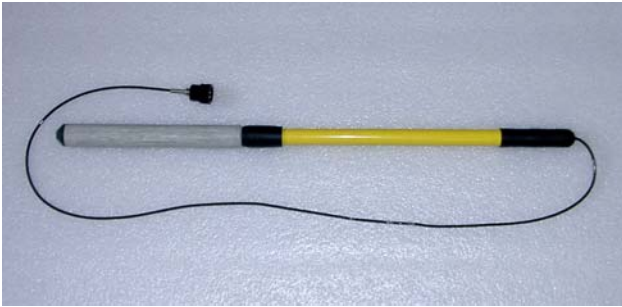
Accessories - Sensing



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AQ.3.042

4cm (1 1/2") High Power probe



This is a much higher power probe than the AQ.3.040/1. The diameter is 4cm, and is virtually as powerful as the 20cm (8") loop. This extends to 1.1m (43") total length.

AQ.3.043

4cm (1 1/2") High Power probe With 30m cable

This version of the AQ.3.042 has a 30m (100ft) reinforced cable. This enables the probe to be lowered into deep ravines to search for metal without a diver having to go down.



Accessories - Other



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AQ.4.010/1/2/5 **Mains battery charger**

This is the mains charger for the Aquapulse. Rated for 100v to 240v, it is supplied with either British, European, Northern US or Australian power leads.

The figure-of-8 connector enables use of other country-specific mains leads if required.

The charger will fully recharge a flat battery pack in 14 hours. In built safety means that you can leave the charger on the Aquapulse for longer periods without damage.

AQ.2.010 **AQ1B control module**

This is the heart of the Aquapulse system. It has 2 controls that allow adjustment based on the search loop fitted, and the ability to remove “clutter” such as ring pulls etc. The Ikelite connectors are very robust and allow quick change-over between loops and audio devices. Rated to 100m depth.

Height - 190mm (7 1/2”)

Diameter (max) - 100mm (4”)

Weight - 1kg (max)



Also available:

AQ.4.013 - Charging lead for connecting to a car cigar lighter socket

Detection ranges



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Aquapulse 1B Detection Ranges

Search Coil Type	2p Coin		Dive Cylinder		Old Shilling		175grm Lead		Wall Tie		Large Silver Coin	
	<i>Initial</i>	<i>Definite</i>	<i>Initial</i>	<i>Definite</i>	<i>Initial</i>	<i>Definite</i>	<i>Initial</i>	<i>Definite</i>	<i>Initial</i>	<i>Definite</i>	<i>Initial</i>	<i>Definite</i>
20cm Loop	340	280	1050	980	310	250	510	460	390	350	450	360
25cm Loop	370	310	1060	1050	340	290	600	520	500	450	470	420
38cm Loop	410	380	1300	1150	380	330	780	630	520	450	540	490
12" Ferrite Probe	160	120	500	440	130	100	240	220	190	160	190	140
36" Ferrite Probe	140	100	500	420	120	100	260	210	190	160	210	160
High Power Probe	230	190	800	650	230	180	370	300	280	240	250	220
38cm Loop (30m Cable)	450	350	1450	1200					500	300		

Initial Detection - Tickover doubles in speed
 Definite Detection - Tickover rapid (machine gun effect)

Note : All measurements in mm