

Aquapulse - AQ1B

Underwater metal detector system



Aquascan International Limited

FEATURES:

- GOOD PINPOINTING ABILITY
- 100M DEPTH RATING
- RECHARGEABLE
- 8-10 HOURS CONTINUOUS OPERATION PER CHARGE
- HIGH PERFORMANCE IN FRESH WATER, SEAWATER OR LAND
- MULTIPLE MOUNTING OPTIONS
- RUGGED CONNECTORS



INTRODUCTION:

The Aquapulse underwater metal detector has featured in every conceivable underwater application around the world in the past decade with an exceptional degree of success. The Aquapulse 1B (38cm) is an underwater metal detector employing a large diameter search head mounted on the end of a telescopic arm. The 1B can detect objects up to a range of 3m (10ft). This makes it the most powerful unit on the market. Apart from the sensitivity threshold control, the 1B underwater metal detector has an additional control to enable the whole range of Aquapulse coils to be used with it. The same control can be used to reject surface clutter such as ring pulls, cigarette foil etc., often found buried in the sand or mud. The internal NiMH rechargeable battery pack allows in the order of 10 hours operation.

The control electronics are housed in the proven Aquapulse underwater housing. All connections to it are made via robust IKELITE connectors.

APPLICATIONS:

POLICE/ARMED FORCES - Provides a positive search and location tool for recovery of all types of metallic weapons and arms, etc. Effective in a wide range of situations, particularly low visibility or where items have become camouflaged or buried

SALVAGE - Recovery of a wide range of items including lost anchors, chains, tools, outboards, etc., plus the recovery of cargo and valuables from scattered and buried wrecks.

SURVEY - Wide range of commercial underwater survey tasks including location and tracking of cables, pipelines and general metallic debris.

ARCHAEOLOGY - Meets the need for a general purpose marine survey tool, specifically for locating and mapping sites of archaeological interest in terms of the distribution of metallic objects.



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SYSTEMS:

The Aquapulse system is generally sold as one of three configured system options, with accessories being purchased as required to suit specific requirements. Pictured left is the largest version - the 38cm kit, this comprises the Aquapulse AQ1B Control Unit, Waist Belt, Charger, 38cm (15") Search Coil, Armsaver and Bonephone. Also available is a 25cm (10") version and a 20cm (8") kit (pictured below). Each search coil offers differing capabilities, the 38cm coil offers greater search coverage while the 20cm coil is better for pinpointing smaller items, and is often the preferred option for treasure hunters.

20cm Kit: - Compared to the 38cm system, the 20cm version has a smaller search coil with a short handled stem. This option is particularly suited to working in confined places and where intermittent diver usage is anticipated. The folding head and short stem allow easy diver stowage giving hands free diving. The compromise with the 20cm coil is that some of the penetration and coverage is sacrificed for ease of carrying and pinpointing.



ACCESSORIES:

A range of accessories are available including a ferrite probe (pictured left), this being by far the most popular extra. The miniaturised sensing head gives the operator the ability to probe deep into soft beds, narrow crevices and under ledges and rocks. A full list of accessories and options is available on our website (www.aquascan.co.uk)

Aquapulse 1B Sample Detection Ranges

(All measurements in mm)

Search Coil	UK 2p Coin		Dive Cylinder		Medium Size-Silver coin		175grm Lead		Steel Wall Tie		Large Silver Coin	
	Initial	Definite	Initial	Definite	Initial	Definite	Initial	Definite	Initial	Definite	Initial	Definite
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" & 36" Ferrite Probe	160	120	500	440	130	100	240	220	190	160	190	140
High Power Probe	230	190	800	650	230	180	370	300	280	240	250	220

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

For pricing and availability, contact us or your local representative. A list of representatives is located on our website