

TRUSTED TOOLS FOR HOMELAND SECURITY

MANTIS GENERAL PURPOSE ULTRA LIGHTWEIGHT DISPOSABLE DISRUPTOR NSN 1385-99-724-7514

The Mantis is a general purpose, lightweight, disposable Disruptor capable of carrying out render safe procedures on iEDs packaged in containers such as parcels, briefcases or smaller items. Mantis has been developed specifically to offer a lightweight Disruptor capability having equivalent performance to ABP's other general purpose Disruptors.

The Mantis operates using the L46A1 cartridge or approved equivalent, as such the logistics and approvals processes for organisations operating both this and ABP's other general purpose Disruptors utilising this cartridge are simplified by the requirement to hold only one ammunition type. Mantis has been tested using impact measurement, radiography, high speed photography & simulated targets to positively verify absolute and comparative performance.



Please note: This information is not intended to form the basis of a contract. Specifications subject to change without notice. Please contact ABP for further details.
© AB Precision (Poole) Ltd Issue 1, Jan 09

The Mantis is particularly suited to applications such as Special Forces operations where equipment weight and ease of deployment are paramount. The Mantis is also suited for use on small ROV's with limited payload carrying capability or to allow multiple weapons to be carried by a single ROV. Conventional deployment either manually or by ROV is of course possible.

The Mantis is a single shot device, which is supplied piston in place with a closure cap and breech. It is therefore self contained with no cleaning or ancillary equipment required and no armoury/maintenance required.

- Barrel is chemically inert and stable over normal EOD operating temperatures
- Preparation is straightforward- miss-assembly precluded due to "piston in place" delivery
- Operates using either L46A1 ammunition or bespoke commercial equivalents available from ABP



TECHNICAL DATA

Length	442mm (inc Breach)
Main body dia	48 mm (Barrel)
Rear body dia	73mm (Breach)
Weight	850g (Load)
Nominal Calibre	27mm
Water Charge	140ml
Barrel Material	Thermoset Elastomer
Breach Material	HDPE
Supplied with	Piston(in place) End Cap

AMMUNITION

The Mantis is operated by a bespoke cartridge. Each batch of cartridges is ballistically tested to ensure correct and consistent performance. The cartridges are supplied in multiples of 10 packaged within a M2A1 or H83 container complete with all internal furniture and all required consumable parts.

Please note: This information is not intended to form the basis of a contract. Specifications subject to change without notice. Please contact ABP for further details.
© AB Precision (Poole) Ltd Issue 1, Jan 09