

## TRUSTED TOOLS FOR HOMELAND SECURITY

### LIMPET MINE DISPOSAL EQUIPMENT

**BOX 1 NSN 1385-99-533-1203**

**BOX 2 NSN 1385-99-965-7250**

The Limpet Mine Disposal Equipment (LMDE) has been developed to disrupt thin cased mines that have been attached to the hull / structure of a ship or underwater installation.

The LMDE comprises a disruptor system mounted in a stand. The stand is attached to the hull or structure using magnets. The LMDE is diver deployable and has buoyancy blocks fitted to the stand to assist carrying and placement.

The system would normally be prepared on deck or land then positioned adjacent to the target. Once in position the stand has features to allow the barrel to be accurately adjusted and positioned against the target.

In operation, the LMDE projects a "slug" of water at high velocity into the target. This water penetrates the box of the target and disrupts the explosive filling and detonation mechanism providing a high degree of confidence that detonation will be avoided. The energy required to project the water is derived from an electrically initiated power cartridge.

The power cartridge may be initiated from a safe distance either on land or the ships deck using an electronic exploder such as ABP's Minex.



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 LMDE is manufactured from corrosion resistant materials throughout, the stand being of hard anodized aluminium and stainless steel construction. The disruptor is of stainless steel construction which is proof tested and flaw detected before supply.

The cartridges used to operate the LMDE are supplied in service and training variants each packaged in multiples of 18 in an H83/M2A1 container. When operated in service using a service cartridge the barrels are sacrificial due to the large pressures generated.

A training cartridge is available which limits operating pressure and avoids barrel damage such that operational equipment can safely be used in training.

The LMDE equipment is supplied in 2 boxes, contents as below:



BOX 1, NSN 1385-99-533-1203 contains the stand, buoyancy blocks, spare accessories and maintenance tools.



BOX 2, NSN 1385-99-965-7250 contains 2 barrel and breach assemblies, cleaning brush, water container, screwdriver and operators handbook.

## COMPLETE EQUIPMENT

DESCRIPTION	MPN	QUANTITY
Box 1	100091-0014-ASSY	1
Box 2	100167-0000-ASSY	1

## AMMUNITION

To be advised

## TECHNICAL DATA

Maximum operating depth:	30m
Dimensions of box 1:	500mm x 300mm x 300mm
Weight of box 1:	15Kg
Dimensions of box 2:	500mm x 300mm x 100mm
Weight of box 2:	7.5Kg

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