



**PRODUCTS**

✓ surfing evolution



# Dolphin interactive Dissuasor DiD<sup>®</sup> 01



**Effectively reduces interactions** between marine mammals and longlines, trawls, purse seines, fishing nets and aquaculture, **for the benefit of wildlife and industry.**





# Reduction in depredation and bycatch with the use of the DiD

The DiD was designed to limit interactions between marine mammals and fishing gear. The aim is to protect both the safety of animals and the profitability of fishing.

This dolphin repellent was developed by STM Products in collaboration with scientists from prestigious Italian research centers.

From the first trials, the DiD proved its effectiveness and became the first real solution to bring positive and persistent results.

To use the DiD is very simple: the DiD must simply be attached to the fishing gear by being hung on the nets or to the longline. In contact with water, the DiD activates. When it detects the presence of cetaceans in the area by distinguishing their echolocation signals, it transmits modulus signals that interfere with the acoustic perception system of the cetaceans and disrupts their hunt for prey in the nets or lines.

The signals produced by the DiD are identical in sequence but random in the intervals in order to prevent the animals from becoming accustomed to the signals.

The ability of the DiD to be activated only in the presence of cetaceans improves its efficiency by adding the surprise effect and increases the life of the batteries and the duration of the charge.

The placement of several DiDs at regular distances protects the whole of the net or the line.

## USAGE

The DiD should be located at least 10m below the surface of the water and up to a depth of 200m, while avoiding the sea bed. The radius of DiDs signal is around 150-200m (depending on the ambient conditions) and up to 80m deep under the appliance.

The number of units to be placed and their position on the fishing gear depends on the type of gear used and the species of the mammal.

We will be happy to offer you our advice to optimize the use of DiD for each particular situation.

## TECHNICAL INFORMATION

The DiD is driven by a 16-bit microprocessor that manages automatic ignition in contact with water, battery level alarm, identification of the echolocation signals emitted by the cetaceans and the random output emissions.

Transmission frequency:  
5 to 500 kHz.

Weight: 905g, Height: 210 mm, Diameter: 61mm,  
Test pressure: 30 bar.

The unit has an internal battery pack, rechargeable 1.6 Ah NiMH (sealed).

## ACCESSORIES

### VOLTester

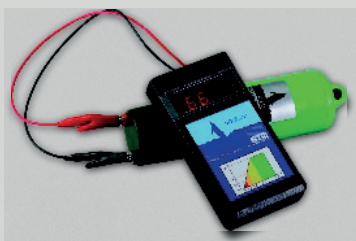
The VOLTester measures the charge level of the DiD with the use of alligator clips to be attached to the DiD. It lights up automatically, takes the battery level reading and extinguishes after use. The battery level is shown in voltage and percentage.

Precision: 1%.

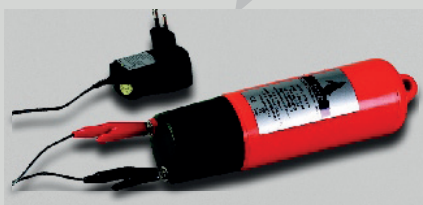
Power: 2 AA batteries.

### Charger

The most basic in the charger series, recharges a single battery to full power in 20 hours. Input 230 V and 110 V.



VOLTester



Charger

### Multi-charger MBC4

Charges up to 4 DiDs simultaneously. As soon as the DiD is placed on the MBC4 it indicates whether the DiD is charged or broken, it also indicates if the DiD is not correctly loaded on the charger and displays the battery level before starting the charge. It must be placed inside the vessel.

It operates with an input power of 230 V and 110 V.



MultiCharger MBC4



ISO 9001 - Cert. n. 5602/0



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