

WIRED EXPLODER ATLAS 390



Made in
France

Very easy to use

Powerful : 390 V - 14 J

Rugged

Watertight IP67

Solid state

Galvanic isolation



WIRED EXPLODER ATLAS 390

ATLAS-390 is a hard wired electronic exploder, designed for firing of electric detonators. It is a compact, robust and powerful equipment.

This device is very easy to use : pressing the CH button charges the capacitor; when the capacitor is charged, the firing can be triggered by pressing simultaneously the F button.

The exploder **ATLAS 390** is supplied by three lithium batteries CR123 (cheap and widespread). A bicolour led indicates the state of the batteries.

ATLAS 390 exploder features many security levels :

- security key
- automatic discharge of the capacitors when the charge button is released
- permanent measurement of the capacitors voltage
- to fire 2 buttons must be pressed simultaneously
- firing is allowed only when the capacitors are charged enough
- permanent shunt on the firing output
- battery voltage monitoring
- safety sockets and plugs
- monitoring by micro-controller
- self-test of the control panel lights
- redundancy of certain functions

It features one firing output, equipped with safety sockets, in order to avoid that the user can be in contact with the dangerous output voltage. Safety banana plugs are supplied for the connexion of the firing cable.

This exploder also integrates a line-continuity test, that allows to check the continuity of the firing cable.

The rugged aluminium box is waterproof IP 67, black color, and equipped with a polyester control panel, which integrates the buttons and the lights. The leds' luminosity level can be selected by the user and thus adapted to the work conditions (day / night).



TECHNICAL DATA

Enclosure :	robust aluminium	Internal shunt :	yes
Watertight :	IP 67	Charging voltage :	390 V maximum
Dimensions :	175 x 80 x 45 mm	Energy :	14 J maximum
Weight :	500 g	Charging time :	4 s approx.
Power supply :	3 lithium CR 123 batteries	Operating temperature :	-20°C to +55°C
Autonomy :	> 300 firings at 20°C		
Firing output :	1	Standards :	CE conformity
Line continuity test :	integrated		