

ZEB/CA10/U1

Electromechanical Blasting Machine / Exploder

Our capacitor blasting machines are portable units suitable to ignite electric detonators.

The blasting machines of ZEB are mainly consisting of an electro-mechanical generator, a capacitor and a releasing device.

By pulling the cord for a few times the generator produces a high voltage that is stored in the capacitor.



When the target voltage is reached the exploder will automatically initiate the blast.

We recommend to send the blasting machines to ZEB in a periodic cycle for a check.

This exploder is usable for civil, security forces and military usage. This product features a NATO Stock Number.

The ZEB/CA10/U1 is a very simple blasting machine. It is the smallest exploder that ZEB offers. The CA10/U1 was designed for civil and military use.

This exploder matches the high military standards of NATO Armies. It is used by NATO Armies, Special Forces and also police and security forces.

The heavy duty design with a plastic housing is developed for a long and reliable service.

The machines small size and light weight of only about 300g makes it easy to handle and to transport.

To initiate a blast simply pull the cord a few times. And indication bulb next to the cord will light when the machine initiates.

The discharge energy immediately reaches its maximum value that ensures a fast and reliable ignition of all applicable detonator types (shown on next page).

The maximum amount of detonators of a type is defined by the maximum resistances (ohm) of the ignition circuit.

Non-Permissible Simple Capacitor Exploder CA-Series

Technical Data

Type	ZEB/CA10/U1	BAM Homologation	BAM-ZM-402
Operating principle	Electromechanical	EN Homologation	EN13763-26 Annex A
Voltage (max)	380 V	NATO Stock Number	NSN 1375-12-177-8432
Capacity	6.8 μ F	CE	CE Certificate available
Weight (approx.)	300g	Protection	>IP54
Dimensions	135 x 35 x 55mm		
Temperature Range	-20°C - +55°C		

Detonator Ratings

Type	Country	Wire	Max Resistance (Ω)	Detonators	Impulse (mWs/ Ω)
A / Sensible	Germany	Copper	60	10	4
U / Insensible	Germany	Copper	25	1	18
A / Sensible	Germany	Steel	60	20	4
U / Insensible	Germany	Steel	25	3	18

Safety Warning:

Read the User Manual delivered with the blasting machine carefully before using the product. Only blasting machines with the product extension "K" are allowed to be used in flammable environments such as methane or coal dust. Never touch the terminal clamps – the generated high voltage can cause an electric shock.