

## ZEB/CU10 Electromechanical Blasting Machine

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

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

When the crank is turned, the generator produces one High voltage, which is stored in the capacitor.  
When the target voltage is reached, the ignition will start automatically triggered.



We recommend to send the blasting machine to the ZEB in time for the two yearly inspection.

The ZEB / CU10 is a very easy to use blasting machine for electric igniters. It is the smallest model with crank, which is offered by the ZEB.

The CU series devices do not have a release button. With the ZEB / CU10, the machine automatically triggers as soon as the capacitor has reached the required target voltage.

The machine is small and light with a weight of only 1400g.

The robust housing is made of an aluminum alloy designed for a long and reliable service life.

The aluminum alloy housing is painted in a gray hammer effect.

The charging crank is removable to protect the device against unauthorized use.

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.

### **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 terminals clamps – the generated high voltage can cause an electric shock.

## Non-Permissible Simple Capacitor Exploder CU-Series

### Technical Data

Type	ZEB/CU10	BAM Homologation	BAM-ZM-201
Operating principle	Electromechanical	EN Homologation	EN13763-26 Annex A
Voltage (max)	600 V	CE	CE Certificate available
Capacity	8 $\mu$ F	Protection	>IP54
Weight (approx.)	1400g	Accessories	Leather Case, Tester
Dimensions	124 x 77 x 150mm		
Temperature Range	-20°C to +55°C		

### Detonator Ratings

Type	Country	Wire	Max Resistance ( $\Omega$ )	Detonator	Impulse (mWs/ $\Omega$ )
A / Sensible	Germany	Copper	160	60	4
U / Insensible	Germany	Copper	55	30	18
A / Sensible	Germany	Steel	160	30	4
U / Insensible	Germany	Steel	55	10	18

### Accessories

Connect the exploder testing device type ZEB/P/CU10 to the terminals of the blasting machine ZEB/CU10 to do a fast functional test of the capacitor to ensure a safe operation. There is also a protective leather case available for the testing device. The tester is also BAM homologated.

We recommend to store and operate the blasting machine in its related protective leather case.

It is important that the ignition circuit resistance will not exceed the allowed maximum resistance of the blasting machine.

For operation in dangerous areas like **gassy mines** (flammable environments: methane or coal dust) we offer also a **permissible blasting machine**.



Testing Device  
ZEB/P/CU10



Leather Case  
ZEB/CU10