

# ZEB

## ...Reliable Heavy Duty



ZEB-MP55 P  
(safety pushbutton)  
EB00.900.1050



ZEB-MP55 S  
(safety switch)  
EB00.900.1060



ZEB-MP55 Energy  
tester



Crank ZEB-MP55

### HIGHLIGHTS

- ✗ Our capacitor ignition machines are portable devices for initiating electric detonators.
- ✗ The ZEB MP series igniters mainly consist of an electro-mechanical generator, a capacitor, a crank and a trigger mechanism.
- ✗ When the crank is turned and the safety pressure button is held down, the generator produces a high voltage which is stored in the capacitor.
- ✗ The ignition voltage is shown on to digital voltmeter. The detonation is triggered by turning the FIRE switch.
- ✗ This device was developed and manufactured in Germany.
- ✗ Service inspection and maintenance can be carried out at ZEB workshop in Marl/Germany.

ZEB recommends sending blasting machines to ZEB in a periodic cycle for a check.

### DESCRIPTION

The ZEB-MP55 is a powerful electromechanical blasting machine. It can initiate almost any type of electric detonator. It features a line tester to check if the firing circuit is still closed. The housing is made of a robust plastic and is equipped with reflective markings for in-creased visibility.

A safety push button on the ZEB-MP55 P or the safety switch on the ZEB-MP55 S prevent accidental charging and protects against electrical shock in the event of inattention at the time of activation. The safety pushbutton must be pressed all the time to prevent the capacitor from discharging. The switch holds the capacity in up position and discharges in down position. The charging crank is removable to protect the device against unauthorized use.

The target voltage can be freely selected by the operator thanks to the integrated voltmeter. The maximum capacitor firing voltage is 2000VDC.

The discharge energy reaches its maximum at the moment of triggering, thus ensuring fast and reliable triggering for all types of electric detonators. The maximum number of detonators of one type is de-fined by the maximum ignition circuit resistance (in ohms).

### ACCESSORIES

To ensure the energy output of the machine we offer a special testing device. The **PG-Series testers** are equipped with high power resistors and a microprocessor the calculate the energy in real time. Status LEDs show the operator OK or Faulty.

# ZEB-MP55 (P/S)

ZEB-MP55 (P/S)


General Specifications

Type	Technology	Protection	Weight	Dimensions [mm]	Temperature [°C]
ZEB-MP55 P & ZEB-MP55 S	Electro-mechanical	IP65	6,4 kg / 14.1 lbs	300 x 250 x 200mm 11.8" x 9.8" x 7.9"	-20°C to +55°C -4°F to +125°F

Detonator Overview

SKU


Type Voltage [V]	Type: I 16 [mWs/Ω]	Type: H 2500 [mWs/Ω]		
2000 V	580Ω	30Ω	ZEB-MP55 P	EB00.900.1050
			ZEB-MP55 S	EB00.900.1060



ZEB-MP55 Energy tester

SKU

EB00.902.1110



Crank MP55

SKU

EB00.300.5070

**WARNING:**

This exploder is **never allowed** to be used in dangerous areas like gassy mines (flammable environments: methane or coal dust).

**SAFETY WARNING**

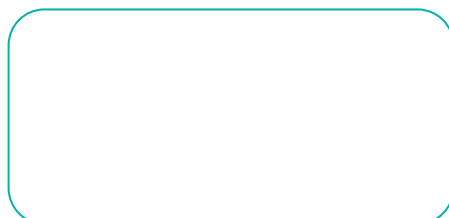
Read the User Manual delivered with the blasting machine carefully before using the product. Only blasting machines with the product extension "K" are allowed to be used in flammable environments such as methane or coal dust.

**DISCLAIMER AND LIMITATION OF LIABILITY**

The information contained herein can vary according to the different conditions of storage and use of the products as well as external factors like temperature, humidity and pressure, among others. This product is potentially dangerous; and, therefore, its use and handling must be restricted to the personnel duly qualified and be submitted to applicable laws. The documentation described herein shall not be considered as contractual commitment and its disclosing shall not be able to be treated as a contractual offer. By virtue of this document the Company does not assume any liability nor warranty before third parties.

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