

ZEB/PG XXX

Electromechanical Capacitor Blasting Machine Tester

ZEB

Our product line of blasting machine testers are portable units developed for field usage and the best accessories for a ZEB electromechanical blasting machine to test the output energy.

PG-Series electromechanical blasting machine testers mainly consist of high resolution analog digital convertor, a microprocessor and a resistor load that matches the maximum output power of the designated blasting machine.

The housing is protected against the high voltage and high current output of the blasting machine.

This equipment is a high-quality tester developed and manufactured in Germany.

ZEB recommends sending circuit testers to ZEB in a periodic cycle for a check.



Our ZEB/PG is portable energy measuring system for blasting machines. When connected to the output terminals of a blasting machine, while no blasting circuit is connected, the ZEB/PG will calculate the output energy of the blasting machine while firing a test shot.

The operator is notified by bright status leds about the result. A green OK led will light when the output energy is valid for the simulated load (maximum circuit load of the blasting machine). A red Fault led will light when the output energy is too low and a risk of low current failure can occur. In this case not all detonators in series wiring will initiate. In the third case neither OK or FAULT leds light the machine output power is that low that now valid measurement of the current could be taken.

The heavy-duty waterproof plastic housing is developed for long and reliable service. The material is tested by BAM Germany to be used in blasting operations. The housing rubber bumpers are colored signal red to find the equipment in the field on the ground.

Power is supplied by a simple 9V battery.

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Technical Data

Type	ZEB/PG XXX	EN	EN13763-26 Annex A
Operating principle	Electronic Tester	CE	CE Certificate
Power Supply	9V Battery	BAM	Homologated
Display	4 leds	Protection	>IP65
Measuring Resistor Load	Machine specific	Precision	1.5%
Resolution (Current)	0.01A	Weight (approx.)	560g 1.2lbs
Dimensions	145 x 95 x 35mm 5.7" x 3.7" x 1.4"	Temperature Range	-25°C – 85°C F -4°F – 185°F

Machine Specific Testers

ZEB/PG testers for ZEB electromechanical blasting machines are model specific available due to the required matching resistor loads to simulate the maximum firing circuit resistance of the machine.

Options:

Low power:

ZEB/PG/CU10, ZEB/PG/CA30, ZEB/PG/N/CU50T, ZEB/PG/N/CA100T

Medium power:

ZEB/PG/N/CU100T, ZEB/PG/N/CA160T, ZEB/PG/D/CU30, ZEB/PG/D/CA50, ZEB/PG/D/CU100, ZEB/PG/D/CA160, ZEB/PG/CU200/HU20, ZEB/PG/MP-55, ZEB/PG/MP-110

High power:

ZEB/PG/CU400/HU160, ZEB/PG/HU160N, ZEB/PG/CU400/HU80,

This equipment is not allowed for operation in dangerous areas like **gassy mines** (flammable environments: methane or coal dust).

SAFETY WARNING

Read the User Manual delivered with the product 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.

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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