

ZEB/DIZ Ignition Circuit and Insulation Tester

Our product line of ignition circuit testers are portable units developed for field usage and the best accessories for our professional blasting machines.

D-Series Circuit Testers of ZEB are mainly consisting of a display and connection terminals.

By connecting the wires of the blasting circuit the equipment automatically switches on. When the wires are removed it switches of.

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/DIZ is a combination of an ohm meter to measure the resistance of an ignition circuit and an insulation tester. The main function of this equipment is to measure the resistance (ohm) of the ignition circuit, but also allows to measure the insulation value.

If the insulation of the blasting cable or the wires of a detonator are damaged it is possible that a short prevents the detonator (or a whole blast) from initiation. For this purpose we advanced our circuit Tester ZEB/DZ3 to an insulation tester

When both wires of the blasting circuit are connected to one terminal and a grounded earth pile is connected to the other terminal simply push the button on top to check if there are any shorts in the circuit.

The heavy duty plastic housing is developed for long and reliable service. The material is tested by BAM Germany to be used in blasting operations.

The housing is signal red to find the equipment in the field on the ground.

Ignition Circuit and Insulation Tester for blasting operations

Technical Data

Type	ZEB/DIZ
Operating principle	Electronic Tester
Power Supply	2 * 1,5 V AA Mignon
Display	4½ Digits
Measuring Range (Insulation)	0 – 19.999 Ω
Resolution (Insulation)	1 Ω
Measuring Current (Insulation)	< 1 mA
Measuring Voltage (Insulation)	Max. 14 V
Measuring Range (Circuit)	0 – 1999,9 Ω
Resolution	0,1 Ω
Measuring Current (Circuit)	< 2 mA
Measuring Voltage (Circuit)	Max. 6 V

BAM Homologation	BAM-ZK-039
EN Homologation	EN 13763-26 Annex A
CE	CE Certificate available
Protection	>IP54
Precision	1,5% ± 2 Digits
Weight (approx.)	560g
Dimensions	130 x 95 x 40 mm
Temperature Range	-10°C to +50°C
Accessories	Leather Case

Accessories

The combined insulation and ignition circuit tester ZEB/DIZ can be used while it is in its protective leather case

We recommend to store and operate this equipment is in its protective leather case to prevent it from damage while transport or in the field.

This equipment is not allowed for operation in dangerous areas like **gassy mines** (flammable environments: methane or coal dust) we offer also a **permissible circuit tester**. Ask for model **ZEB/DZ3**.

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.