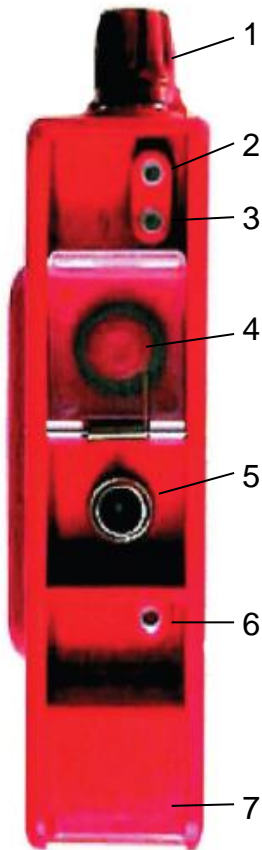


Pocket Blaster EBM 05

(electric blasting machine)



Operating controls and indicators

(1) Lead wire terminal posts	2 screw fasteners 4 mm with 2,6 mm cross hole
(2) Continuity indicator	green LED
(3) Ready to fire indicator	green LED
(4) Firing button	round button (red) with transparent protective lid
(5) On-off spring-loaded switch	rocker switch
(6) Charging indicator	red LED
(7) Battery compartment	

Approved numbers and types of detonators

Series connection	
Bridge wire detonator 4 mJ	30 pcs. resistance limit 160 ohm
Bridge wire detonator 16 mJ	20 pcs. resistance limit 90 ohm
Bridge wire detonator 2500 mJ	4 pcs. resistance limit 3 ohm

Technical data

Dimensions (L x W X H)	160 x 82 x 42 mm
Weight (incl. battery)	0,350 kg
Ignition energy	max. 13,75 Joule
Charging time	about 18 s
(new 9 V long life alkaline battery)	
Discharging time of the capacitors	about 5 s
Operable temperature rang	-15 till +50 °C
Recommended battery type*	9 V long life alkaline battery

* The charging time may vary with using batteries from different manufacturers. In case of using other battery types the values for the charging time and the operable temperature range may change.

Operation of the Pocket Blaster EBM 05

1. Insertion of the battery

Open the lid of the battery compartment (7) at the bottom side of the blasting machine by pressing down the locking lid e. g. with a screw driver. Insert a 9 V long life alkaline battery into the battery compartment (7). Pay attention to the polarity, this is marked in the battery compartment (7).

Note: Inserting the battery with the wrong polarity will not damage the blasting machine, nevertheless it will not work.

2. Establishing of the firing circuit

Connect the lead wires of the lead wire terminal posts (1) or through the cross holes. Take care to fix the wires properly and to avoid short circuits. The continuity indicator (2) will flash if the circuit has continuity.

3. Charging of the capacitors

Press and hold the on-off spring-loaded switch (5) in direction "ON" (marked on the blasting machine). The charging indicator (6) flashes and indicates the charging process. The on-off spring-loaded switch (5) must be held during the complete charging/firing process.

After about 18 seconds (with a fresh battery) the charging process is finished. The charging indicator (6) stops flashing, the LED for the ready to fire indicator (3) starts to flash. Firing is not possible until the LED for the ready to fire indicator (3) is flashing. The charging time increases as the battery becomes progressively discharged. Change the battery when the charging time reaches about 40 seconds.

If the circuit is not fired within 15 seconds the capacitors are recharged which is shown by flashing of the charging indicator (6).

In case of an intended abortion of the firing release the on-off spring-loaded switch (5), it returns automatically to the "OFF" position and the capacitors are discharged within 5 seconds.

In case of an interruption of the firing circuit the continuity indicator (2) stops flashing and the capacitors are discharged within 5 seconds.

4. Firing

When the ready to fire indicator (3) flashes flap back the transparent protective lid and press the red firing button (4) while still holding the on-off spring-loaded switch (5) to activate the circuit.

After firing, all LED's stop flashing. Release the on-off spring-loaded switch (5). It returns automatically to the "OFF" position.

In case of any residual charging energy, the capacitors are automatically discharged within 5 seconds.

ATTENTION

- Always take the Pocket Blaster EBM 05 with you and keep under surveillance to prevent unauthorized use!
- Test the Pocket Blaster EBM 05 with the Test Unit PG01 EBM before use.
- Never touch the metallic parts of the lead wire terminal posts (1) or the ends of the firing line while firing!
- Protect the Pocket Blaster EBM 05 from water and moisture!
- Do not open the Pocket Blaster EBM 05, internal components are not user serviceable.

Test Unit PG01 EBM

(test unit for the electric blasting machine Pocket Blaster EBM 05)

Carrying out the test



Plug in the Test Unit into the lead wire terminal posts (1). The continuity indicator (2) will flash.

Press and hold the on-off spring-loaded switch (5) in direction "ON" (marked on the blasting machine). The charging indicator (6) flashes and indicates the charging process.

After about 18 seconds (with a fresh battery) the charging process is finished. The charging indicator (6) stops flashing, the LED for the ready to fire indicator (3) starts to flash.

When the ready to fire indicator (3) flashes flap back the transparent protective lid and press the red firing button (4).

After firing, the ready to fire indicator (3) must stop flashing. If that is not the case the Pocket Blaster EBM 05 is defect. Send it to the manufacturer for repair.

The continuity indicator (2) will flash as long as the Test Unit is plugged in.

no. 2800