

# CAPACITIVE BLASTING MACHINE

## HZK-100M



Catalogue card



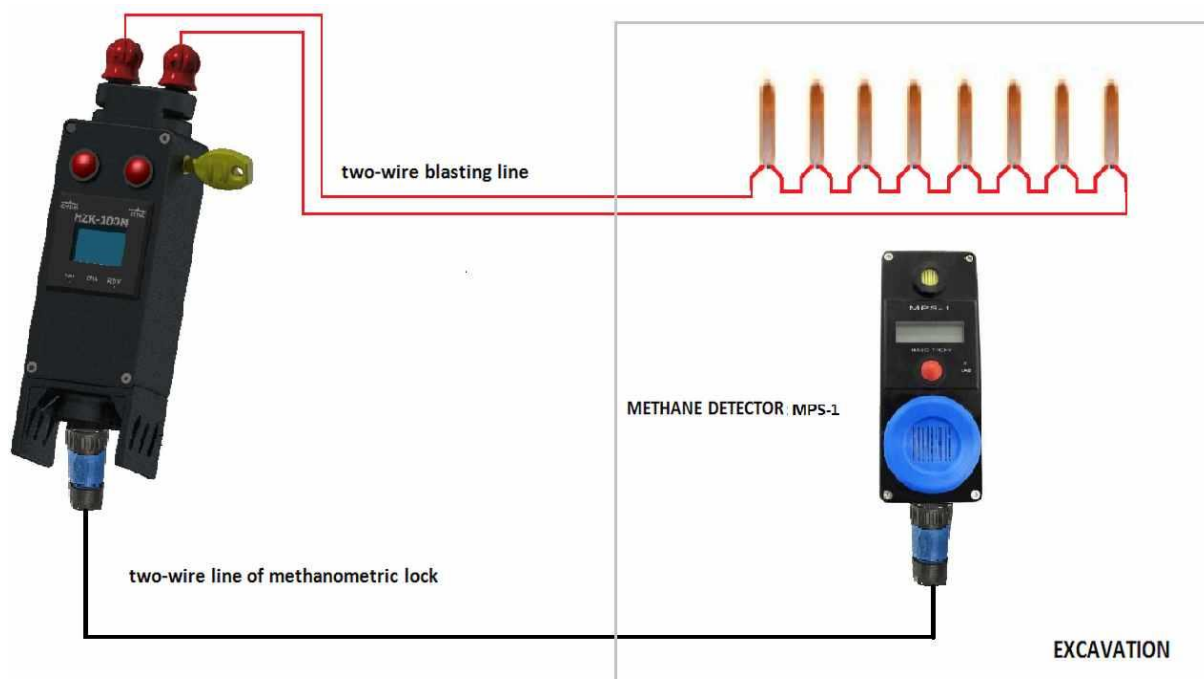
## DESCRIPTION

Capacitive blasting machine HZK-100M with methanometric lock is a portable device designed to firing the electric detonators in serial connection (class: 0,2A; 0,45A). The device has an internal Li-Ion battery for autonomous power supply. The device must be charged outside the hazardous area using a dedicated power supply. Capacitive blasting machine HZK-100M cooperates with portable methane detector MPS-1.

The device has a built-in ohmmeter which allows to measure the resistance of blasting circuit. It is also protected against accidental firing of blasting circuit by a firing sequence (an external key and corresponding sequence of two buttons on the housing). Resistance measurement and firing the blasting circuit are performed by use of the same clamps. The HZKT-100 tester is used to check the blasting machine.

## BASIC TECHNICAL DATA

Power	Internal lithium-ion battery
Battery charging time	4 hours
Clamps max voltage	700V ±10V
Ohmmeter measuring range	0 – 999,0Ω
Ohmmeter measuring resolution	0,1Ω
Blasting efficiency for configuration 0.2A	220 detonators of 0,2A class (max. line resistance: 685Ω)
Blasting efficiency for configuration 0.45A	180 detonators of 0,45A class (max. line resistance 260Ω)
Pulse time / Maximum pulse energy	t ≤ 4ms / 20J
Working temperature range	-20 °C ÷ +40 °C
Relative humidity range	od 0% do 99% bez kondensacji
Charging time of the capacitor	< 10s
Time to press the FIRE button	15s
Ingress protection	IP65
Resistance of the line methanometric lock	≤ 320Ω



## EXPLOSION-PROOF MARK

Ex I -/M2(M1) Ex eb mb [ia Ma] I Mb

Technical opinion: KDB 17 EXP-D 163

EU-Type Examination certificate: TEST 17 ATEX 0030X