

blasting
machines

mining
ohmmeters

lightning
protection

testing
devices

TRIO

safe simple reliable

*Versatile, general purpose blasting
machine*

EKA 350™

*The EKA 350™ is our most popular device,
with zero defect in more than ten years in
service all around the world*



Description

The EKA 350™ is a capacitor discharge (CD) blasting machine which presents the most reliable firing means available. Its small size means that it can fit into the palm of your hand.

The EKA 350SE has upgraded design to provide more energy and higher voltages.

Firing ability

A single EKA 350 device can fire up to 120 standard (2 Ω) electric blasting caps (EBCs) in a single series on a 150 m reel of military communication wire (the equivalent of 0,6 mm² copper wire), while EKA 350SE can fire more than 200 EBCs in two parallel series. A standard, fresh alkaline battery provides a minimum 1000 charging cycles.



Safety

EKA 350™ models have a built-in safety system that prevents the machine from firing if the blasting circuit is broken, or the desired voltage is not reached. It has a built-in Demolition Safety Light (DSL) to **safely check the continuity of the initiators and the firing lines.**

EKA 350™ provides a self-test feature that eliminates costly testing equipment and time consuming inspection

General purpose:

- Commercial or military
- Demining programs
- Surface and underground mining
- Construction blasting

procedures. The machine is operated by magnetic switches, which contain no mechanical parts, thus eliminating the chance of any mechanical failure.

Mechanical protection

The casing of the machine is extremely durable and is made from chromium nickel steel. All the other metal parts are galvanized in hard industrial gold, which make the whole casing environmentally inert, and give an extremely high level of mechanical protection. The electronic components are casted in a monolithic block using a special compound.

Serial Connections

In cases where energy provided by a single EKA 350™ device isn't sufficient (like activating large number of EBCs, using EBCs with long Fe leg-wires or firing seismic detonators), two EKA 350™ blasting machines can be connected together to multiply the energy output.

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EKA 350 and EKA 350SE technical characteristics

Device model	EKA 350	EKA 350SE
Operating voltage	350-380 V	400-410 V
Nominal limit resistance	220 Ω	270 Ω
Current at limit resistance	> 1.2 A	> 1.2 A
Firing energy	> 1.34 J	> 5.44 J
Capacity	22.0 μF	68.0 μF
Inner resistance	4.7 Ω	4.7 Ω
Firing ability ¹	112 detonators	130 detonators
Firing ability (2 series)	-	207 detonators
Power source ²	9 V	9 V
Charging time ³	< 10 s	< 10 s
Size	115 x 67 x 32 mm	
Weight	620 g	
Operation temperature	-20 °C to +55 °C	
Storage temperature	-40 °C to +70 °C	
Ingress protection level ⁴	IP65	

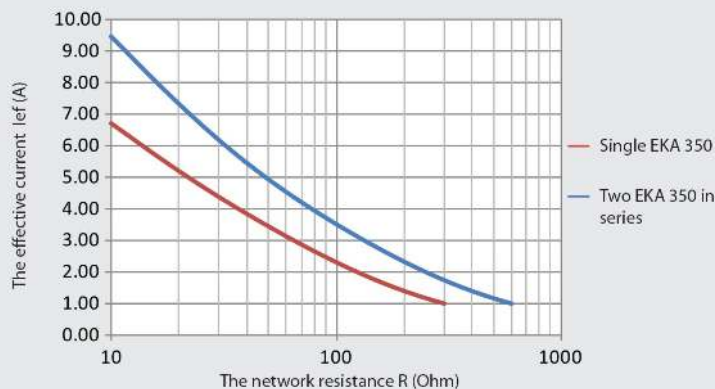
- 1) the minimum number of type A detonators (3 mJ/ Ω firing impulse) with 2x3 m Cu leg wires and approximately 150 m of mining cable
- 2) Single alkaline battery
- 3) depending on the battery condition
- 4) in accordance with IEC 529, or EN 60529 EN 60529



Magnetic key, slots and terminals are galvanized in hard industrial gold.

EKA 350™ and EKA 350SE™ are CE certified and fully complies to the requirements of the EN 13763-26: Definitions, methods, and requirements for devices and accessories for reliable and safe function of detonators and relays.

The effective current within initial two milliseconds as function of the network resistance



The EKA 350 comes with a carrying case made from military grade textile fabric. A special buckles allow for easy carrying of the device around the belt or on harness in a way that one does not need to remove the device from the case during use. The device can not fall out, even if the case is open.



If you have any questions, or need further information, please contact us:

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