Technical Datasheet

Statsafe® Shot Exploder
Model 741F
Rechargeable Key Switch Model

Features

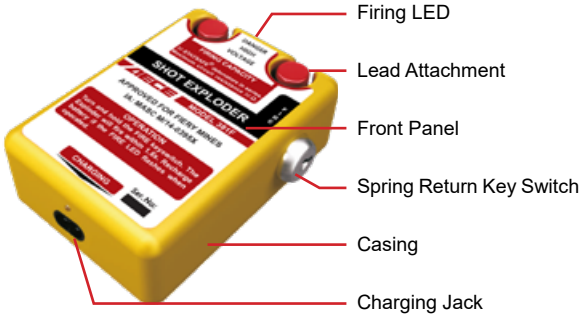
- The 741F is capable of firing up to 70 Type 1 (Shocktube Initiator or Statsafe®) electric initiators/ detonators connected in series, where the total circuit resistance does not exceed 65Ω.
- The small, compact and lightweight design makes it easy to transport and comfortable to carry.
- Can be recharged from any standard mains outlet.

Operation

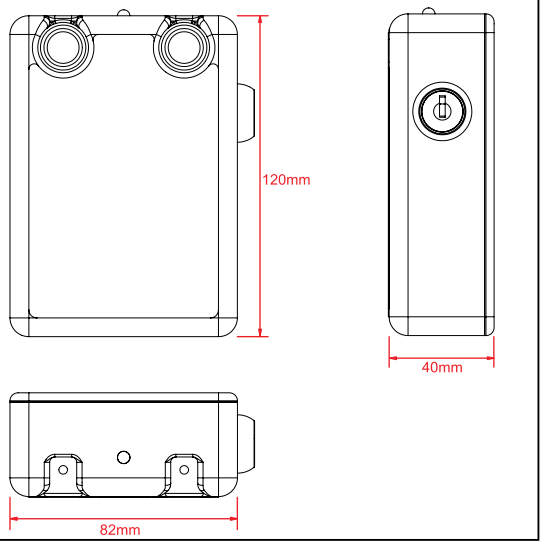
- The 741F is operated by means of a key switch and automatically fires within 1.5 seconds. An indicator light glows while charging and flashes when firing takes place.
- The 741F is powered by a rechargeable battery and is capable of at least 1000 firings. The battery must be recharged when the FIRE LED flashes during operation.

Notice and Maintenance

- All service work must be performed by authorised AEC Electronics personnel only.
- Approved for use in fiery mines.



Unit Dimensions



Specifications

IA Certificate Number		MASC M/14-1042X.
Nominal Firing Voltage		650V.
Nominal Output Energy		8.0J.
Firing Mechanism		Spring return key switch.
Charging Time		<1.5s.
Firing Capacity		70 Type 1 (Shocktube Initiator or Statsafe®) electric initiators/ detonators in series (firing circuit resistance <65Ω). 140 Type 0 Standard electric initiators/detonators in series (firing circuit resistance <275Ω).
Battery	Type	Rechargeable.
	Capacity	1000 firings.
	Charging	Charged from mains power (110-250$_{AC}$, 50-60Hz) using the supplied charging cable.
	Charging Time	Full charge reached in 6 hours. Note: Prolonged charging will not harm the battery.
Construction		Fully encapsulated circuitry in a tough plastic enclosure.
Unit Dimensions		120mm x 82mm x 40mm.
Unit Mass		0.5kg.
Temperature Range		-5°C to 45°C.

Warning and Disclaimer

The information and recommendations in this document are provided for reference purposes only and should not be construed as advice to cover every application of the product or variation of conditions under which the product may be used.

AECE

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