Technical Datasheet

Statsafe® Shot Exploder
Model 1351F
Rechargeable Key Switch Model

Features

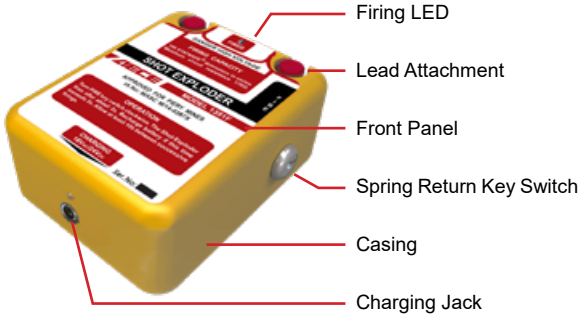
- The 1351F is capable of firing up to 186 Type 1 (Shocktube Initiator or Statsafe®) electric initiators/ detonators connected in series, where the total circuit resistance does not exceed 170Ω.

Operation

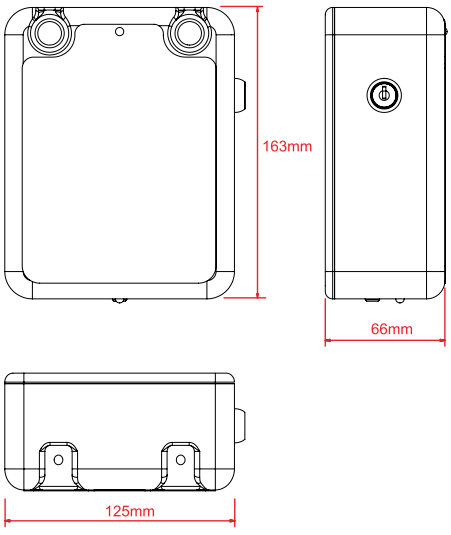
- Operation is by means of a key switch and automatically fires after a delay of 3-5 seconds. An indicator light glows while the unit is charging and flashes when firing is taking place.
- The 1351F is powered by a rechargeable battery and is capable of at least 500 firings. The battery must be recharged when the firing time exceeds 5 seconds.
- Warning: At least 10 seconds should be allowed between successive firings.

Notice and Maintenance

- All service work must be performed by authorised AEC Electronics personnel only.
- Approved for use in fiery mines.
- The 1351F should only be charged with the specially designed charging cable.



Unit Dimensions



Specifications

IA Certificate Number		MASC M/14-0397X.
Nominal Firing Voltage		1350V.
Nominal Output Energy		40J.
Firing Mechanism		Spring return key switch.
Charging Time		3-5s.
Firing Capacity		186 Type 1 (Shocktube Initiator or Statsafe®) electric initiators/ detonators in series via 2Ω firing cable (firing circuit resistance <170Ω). 275 Type 0 Standard electric initiators/detonators in series via 5Ω firing cable (firing circuit resistance <535Ω).
Battery	Type	Rechargeable.
	Capacity	500 firings.
	Charging	Charged from mains power (110-250$_{AC}$, 50-60Hz) using the supplied charging cable.
	Charging Time	Full charge reached in 14 hours. Charging indicator turns off after full charge is reached. Note: Prolonged charging will not harm the battery.
Construction		Fully encapsulated circuitry in a tough plastic enclosure.
Unit Dimensions		163mm x 125mm x 66mm.
Unit Mass		1.6kg.
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
AEC Electronics (Pty) Ltd P.O.Box 958, Kempton Park, 1620, South Africa
Tel: +27 11 975-1643 Fax: +27 11 975-1680
Email: sales@aece.co.za http://www.aece.co.za