Technical Datasheet

Statsafe® Shot Exploder
Model 621F
Crank Operated Model

Features

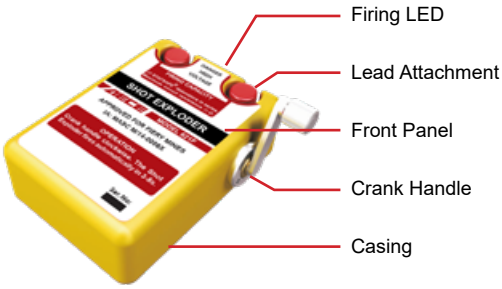
- The 621F is capable of firing up to 110 Standard Type 0 initiators/detonators using a 2Ω firing cable (firing circuit resistance < 220Ω) or 25 Type 1 Statsafe® (CARRICK) initiators/detonators connected in series, where the total circuit resistance does not exceed 25Ω.
- The small, compact and lightweight design makes it easy to transport and comfortable to carry.
- The unit is housed in a tough plastic enclosure and is fully water resistant.

Operation

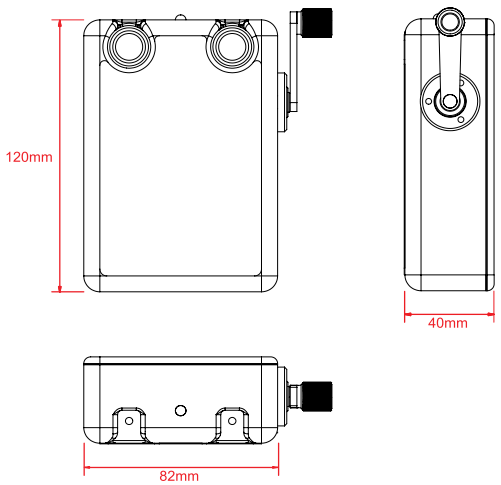
- The 621F is powered by means of a hand-cranked dynamo and fires automatically after a period of 3-5 seconds. An indicator light glows dimly during charging and flashes when the unit fires.

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/14-0086X.
Nominal Firing Voltage	660V.
Nominal Output Energy	3.0J.
Firing Mechanism	Hand cranked dynamo.
Charging Time	3-5s.
Firing Capacity	25 Type 1 Statsafe® (CARRICK) initiators/detonators in series via 2Ω firing cable (firing circuit resistance <25Ω). 110 Type 0 Standard initiators/detonators using a 2Ω firing cable (firing circuit resistance <220Ω).
Construction	Fully encapsulated circuitry in a tough plastic enclosure.
Unit Dimensions	120mm x 82mm x 40mm.
Unit Mass	0.58kg.
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.

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