

Shrike Mk4 & Mk5

Multiple circuit hard-wired exploder

Chemring
Technology Solutions



Shrike is a hard-wired exploder, currently in service with more than 50 countries worldwide. It can be used to initiate both electric and shock tube detonators.

From the arctic to the tropics; Shrike has proven itself as a safe, reliable and cost-effective system for the initiation of explosives, mines, pyrotechnics and other Electro-Explosive Devices (EED).

FEATURES

Easy to use

Shrike has an intuitive, easy-to-use interface that gives operators confidence in its operations.

Shock Tube option

A Shock Tube Adaptor is available, this offers a simple means of adding Shock Tube (or Nonel) initiation capability.

The adaptor is simply inserted into the desired output terminals. The exploder is then simply operated in the same way as for wired connected detonation circuits.

Multiple circuits

Shrike can initiate four independent circuits.

Compatible with a wide range of detonators

Shrike is available in two variants to accommodate different types of detonators. The Shrike Mk4 exploder is designed for use with Group 2 safety detonators, which requires a higher energy firing output. The Shrike Mk5 exploder is for use with standard NATO (Group 1) type detonators.

MORE ABOUT SHRIKE

Shrike has a number of built-in safety features. It cannot be fired into the external load unless a minimum firing voltage is present on the firing capacitors. The external load must be less than a preset value and after PRIMING, the user must press two independent buttons to discharge the energy into the selected external load.

To minimise electrical hazards to the user, the exploder will not fire if the electrical resistance of the external load connected to the terminals is too high. The exploder ensures that output energy cannot be released into a circuit where the resistance is more than the output inhibit level set for the device.





ORDERING

Shrike Mk4 - Body Only

Stock Number: 800-0228

NSN: 1375-99-865-4177

Shrike Mk5 - Body Only (L3A3)

Stock Number: 800-0221

NSN: 1375-99-895-7682

Standard NiMH Rechargeable Battery (Mk5 Only)

Stock Number: 800-3236

NSN: 6140-99-976-3569

Heavy Duty NiMH Rechargeable Battery

Stock Number: 800-3235

NSN: 6140-99-843-9226

SBC3 Battery Charger (suitable for all standard and heavy duty batteries)

Stock Number: 800-3075

NSN: 6130-99-979-9987

Shock Tube Adaptor

Stock Number: 800-0752

NSN: 1375-99-282-6919

Fault locating tools (pair of)

Stock Number: 800-0281

NSN: 1375-99-209-6541

Shrike Mk4/Mk5 Test Meter (STM86)

Stock Number: 800-0372

NSN: 1375-99-001-9938 (Mk4)

NSN: 1375-99-779-9331 (Mk5)

KEY SPECIFICATIONS

PARAMETER	MK4	MK5
Dimensions (Nominal)	140mm x 95mm x 45mm	
Weight	420 g (14.8 oz)	
Case Material	Noryl SE100	
Finish	Non-reflective drab olive	
Output Connections	4 pairs of Spring Loaded Terminals	
Controls	Push button	
Operating Temperature Range	-40°C to +55°C	
Storage Temperature Range	-55°C to +70°C	
Output Voltage	800 Volts	400 Volts
Output energy (typical)	48 Joules	12 Joules
Output load (each circuit)	350 (± 10) Ohms 85 (± 10) Ohms †	400 (± 10) Ohms
Arming Time (typical)	6 - 8 seconds	2 - 3 seconds

NiMH BATTERY PARAMETERS

Dimensions	Standard: 140mm x 95mm x 14mm Heavy Duty: 140mm x 95mm x 32mm
Output Voltage (nominal)	1.4V

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