

SPECIFICATION

	MKV	MKIV
Size	140 x 95 x 45 mm	140 x 95 x 45 mm
Unit Weight	420g	420g
Case Material	Impact-resistant plastic	Impact-resistant plastic
Finish (as standard)	Non-reflective drab olive	Non-reflective drab olive
Output Connections	Up to 4 separate circuits	Up to 4 separate circuits
Controls	Push button	Push button
Indicators	LED	LED
Operating Temperature Range	-40°C to +55°C	-40°C to +55°C
Storage Temperature Range	-55°C to +70°C	-55°C to +70°C
Immersion	0-100% Splashproof	0-100% Splashproof
Output Voltage	319-400V	719-800V
Output Energy	Typically 12J/Minimum 6.8J	Typically 48J/Minimum 35J
Output Load	Up to 400 Ohms each circuit	Up to 350 Ohms each circuit
Arming time	Typically 2 seconds	Typically 6-8 seconds

Safety Features of the Shrike include:

- ◆ Shrike must be primed before any circuit can be fired, requires the operation of two independent push buttons.
- ◆ The output is inhibited when the exploder is not fully primed, thus preventing partial firing.
- ◆ For the MkV, output energy cannot be released into a circuit whose resistance is more than 400 Ohms, and for the MKIV, a circuit of more than 350 Ohms. Both these resistances are well below that of the human body, therefore completely eliminating any electrical hazard to the operator.

- NSN: 1375-99-895-7682** Shrike MkV L3A3 Body
- NSN: 1375-99-865-4177** Shrike MkIV Body
- NSN: 1375-99-232-3160** Shrike Mk VI Body
- NSN: 1375-99-207-8992** Shrike Standard NiCad Battery Pack
- NSN: 6140-99-313-7102** H/D NiCad Battery Pack
- NSN: 6135-99-256-1020** LBGP-1 Battery Pack
- NSN: 1375-99-209-6541** Fault Locating Tools (Pairs)
- NSN: 6130-99-352-3644** SBC5-1/55 Charger (1-way)
- NSN: 6130-99-744-0823** SBC5-1/55-HD Charger, (1-way)
- NSN: 6130-99-794-6002** SBC5-4/55 Charger, (4-way)
- NSN: 6130-99-147-2256** SBC5-4/55-HD Charger, (4-way)
- NSN: 6130-99-535-3429** SBC-2 Charger
- NSN: 6130-99-596-9750** Shrike MK VI Charger
- NSN: 1375-99-779-9331** STM86 (MK V) (Shrike MK V Test Meter)
- NSN: 1375-99-001-9938** STM86 (MK IV) (Shrike MK IV Test Meter)
- NSN: 1375-99-282-6919** Shrike 8-Way Adapter
- NSN: 1375-99-177-3464** Shock Tube Adaptor (STA-134)

**Shrike**

Shrike is a fully approved hard-wire exploder which is currently in service with more than 56 countries worldwide.

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).

Two versions of Shrike are available:

- Shrike MkV** is for use with standard NATO detonators
- Shrike MkIV** for the latest VA safety detonators which require a higher energy firing output



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ACCESSORIES

Shock Tube Adaptor is a lightweight accessory which offers the user the option of adding Shock Tube (or Nonel) initiation techniques as opposed to existing wire connection detonator lines for any suitable explosive application. The Adaptor allows the user to safely initiate Shock Tube while still maintaining the original safety and operation techniques of the Shrike.

The Adaptor is simply inserted into the respective Shrike Initiator output terminal and the device is PRIMED and FIRED in identical fashion as for wire connected detonation circuits. The TEST facility on the host initiator is also available to check the integrity of the input interface circuitry. Replacement of the Initiator heads is by means of a TNC connector in the outer face of the Shock Tube Adaptor



STM 86 - Shrike Test Meter provides an accurate means for functionally testing Shrike and Mini Shrike and measuring line impedance. STM 86 allows EOD or Demolition personnel to accurately measure the total resistance of electrical circuits and can be used to quickly identify and locate any short circuit that may occur.

STM 86 is a passive unit that derives its power from the host initiator. It connects into any of the four Shrike output circuits (or single for Mini Shrike) and the firing cable connects into the unit through two spring-loaded terminals. A toggle switch is used to select the TEST or FIRE functions.



8 Way Adaptor provides a simple and reliable means of doubling the number of output circuits from the Shrike Initiator and is suitable for use in perimeter defence situations as well as battlefield simulation. It allows one Shrike Initiator to control up to eight individual initiations.

The Adaptor unit simply plugs into the output terminals of the Shrike and a single change-over switch on the front of the Adaptor enables one of 2 banks of 4 firing circuits to be fired by Shrike.



Fault Locating Tools are used with the initiator to check and test circuits. They consist of a pair of powerful spring-loaded pliers which have jaws designed to hold a piece of insulated cable within insulation blocks. These pliers pierce through the cable insulation to the wire core below.

The pliers are connected to the Shrike MkIV Exploder by a short lead. Checks can then be made for continuity at various sections of the cable to determine where the fault is located.

BATTERIES

	Standard Rechargeable NiCad (Mk V only): SB412	Heavy Duty Rechargeable NiCad: SBHD	Lithium: LBGP-I
Size	14 x 95 x 140 mm	32 x 95 x 140 mm	32 x 95 x 140 mm
Weight	304g	438g	550g
Contains	12 Nickel Cadmium Cells	12 Nickel Cadmium Cells	6 Lithium Manganese Dioxide Cells
Voltage	15V Open Circuit Voltage	15V Open Circuit Voltage	20V (max) Open Circuit Voltage
Capacity	225mA.hr	1000mA.hr	4000mA.hr
Approx. Endurance	200 firings before recharging	1000 firings before recharging (MkV) 200 firings before recharging (MkiV)	4000 firings before replacement (MkV) 1000 firings before replacement (MkiV)
Operating Temp Range	-15°C to +50°C	-15°C to +50°C	-40°C to +55°C
Storage Temp Range	-20°C to +55°C	-20°C to +55°C	-45°C to +55°C

CHARGERS

	SBC5-I/55 Mains Charger (1 way)	SBC5-4/55 Mains Charger (4 way)	SBC2 In-Vehicle Charger (1 way)
Size	130 x 195 x 265mm	130 x 405 x 265mm	25 x 60 x 56 mm
Weight	1.5kg	2.5kg	0.1kg
Input Voltage	115/230V, 50/60 Hz	115/230V, 50/60 Hz	12/90V ac/dc 25 mA
Fuse	250 mA anti-surge	250 mA anti-surge	
Output	1 Shrike Battery Pack	4 Shrike Battery Pack	1 Shrike Battery Pack
Cycle	Discharge/Charge	Discharge/Charge	
Approx Cycle Time	6-7 Hours	6-7 Hours	14 hours complete charge and trickle
Temperature Range	0°C to 45°C	0°C to 45°C	-20°C to +40°C