

Intrinsically Safe Headlamp Series for Petrol and Hazardous Substance Transportation

Zones 0, 1, 2; Gas Groups IIA, IIB, IIC; Temperature Classes T1~T3

Headlamps for Illumination Only

KH2M-Ex: 7-LED standard model

Every LED has an individual concave reflector so a well focused beam can be achieved. It operates in either 1-LED or 7-LEDs for different brightness and duration. It weights only 110g. It also features a longer operation and low cost suitable for various industrial applications when both focused beam and low cost are



10 models available

KH3S-Ex:

A High Power LED Heavy Duty Model

KH2B-Ex:

10-LED Broad-Beam Model

KSH2xy-Ex:

Multi-functional Portable Safety Lamp

MSHD3AA:

Energizer Headlight

Headlamp and Vehicle Safety Lamp

KH3VS-Ex: Vehicle safety model

KH3VS-Ex is a headlamp and warning lamp for vehicle emergency signaling and hand-free illumination. During an emergency, it can be attached to the vehicle or to the rail on the freeway. It also can be mounted on the tripod away from the vehicle. The flashing red lamp faces incoming vehicles and the lighting faces your accident vehicle. In this setup, even during the night, in heavy raining or dense fog, incoming vehicle drivers can still see the signal and notice the outline of the car. This active safety warning can effectively avoid further problems or accidents.

These headlamps/portable lamp function and emergency signaling function make it a very powerful handy tool for drivers, especially in hazardous material transportation.

Auxiliary illumination: for long operations or low illuminations

Main illumination: for general illumination.

Warning: flashing lamp in red on the back for warning.

Main illumination + Warning: combination of Main illumination and Warning.

- ▲ By toggling the operating button the lamp goes through four operating states.
- ▲ Press and hold the button for two seconds to turn off.
- ▲ The lamp starts from the last operating state when turned on.





How to use

Helmet Lamp: Worn on any helmet using our *Cap Strap*, or fitted in the lamp bracket on a miner's helmet.

Head Lamp: Worn on the head directly by removing 4 *Cap Hooks* on the *Cap Strap*.

Mini-Torch: Just used as a torch or signal light, easily carried in your pocket or on your belt.

Portable Lamp: Clamped to an object or magnetically attached to a metal using our *Magnetic Lamp Bracket Clamp*, worn on the belt using our *Belt Worn Lamp Bracket*, or fixed to a location using our *Lamp Bracket*.

Others: Various accessories available for other ways to wear or mount the lamp, such as *Bar Bracket*, *Strap Bracket*, *Handle & Pocket Bracket*, *Tripod Bracket*, *Wrist Strap* and *Lamp Cluster*.

Charging facilities

Mains Charger: Charge the lamp from a Mains outlet (*standard accessory in every package*)

Vehicle Charger: Charge the lamp from the cigarette lighter in a car or truck (*12/24VDC*).

Charging Banks: Three models available to charge 8, 36 or 52 lamps together from different powers.

Specifications

Charging time:	7~8 hours
Battery:	3.7 V; 2~4 AH, depending on model
Battery lifetime:	80%C after 500 full charging cycles
LED lifetime:	30,000 hours
Weight:	105~140g, depending on model
IP Rating:	IP67
Warranty:	1 year replacement

Certification



IP67

Standards

General Ex Standard: IEC66079-0

Intrinsically Safe Standard: IEC66079-11

Ingress Protection Standard: AS60529

Other Intrinsically Safe Products

MS2DLED/MS2ALED: Torches (Ex Code: Ex ia IIC T4)

LED professional torch is designed and constructed to provide superior performance and to meet the highest safety standards. Capitalizing on LED technology, this range of torches provides maximum visibility, rugged durability, long run time and most importantly, safety in hazardous environment. No compromising on quality. No compromising on safety.



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