

# Matsuda



## EXPLOSION PROOF SAFETY HAND LAMP

The AT-1080 safety handlamp (primary cells) is designed for use in a wide range of potentially explosive gases, vapours, mists & dusts. It made from highly durable thermoplastic material, the material itself is anti-static, ensure can preventing the build up of potentially dangerous electrostatic charges.

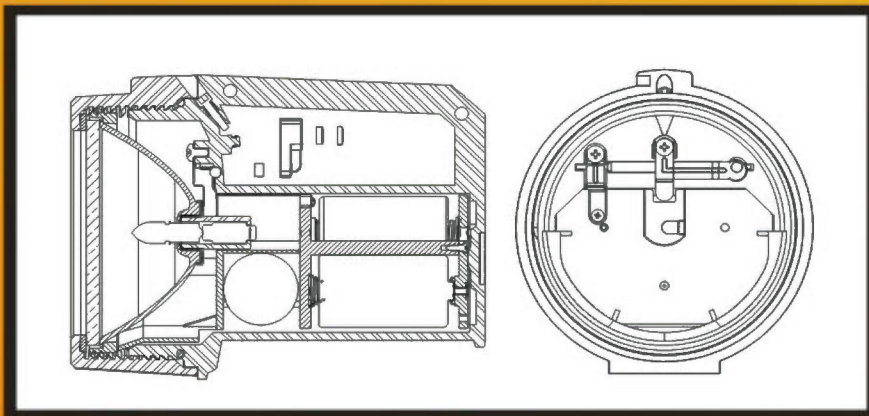
The lamp is fitted with a thick toughened, scratch resistant glass lens with rubber seal at the lens ring and the lamp body joint. It ensure that the lamp is protected from ingress of dusts and liquids and can be possible used in the dustiest and wettest conditions.

The lamp is powered by primary cell, can use with alkaline manganese, zinc chloride or zinc carbon primary cells. The use of 1.5V alkaline manganese cells is recommended.



**LED**

**AT-1080**



**ATEX**

### Product Technical Specification

Product Code NO.	AT-1080	Light source:	Type	LED
Product description	Safety handlamp, primary cell powered		Volts	6V
Explosion proof degree	II 2G Ex e ib II C T4 Gb II 2D Ex t III C T130°C Db IP66		Watts (Amps)	0.7W
Area of classification (gases)	Zones 1 and 2, Gas Groups IIA, IIB and IIC	Battery	Type	Primary cells (Alkaline)
Temp. classification (gases)	T4		Volts	4 x 1.5V
Area of classification (dusts)	Zones 21 and 22	Luminous intensity		≥2100cd
Max. surface temp. (dusts)	135°C	Light duration		Up to 12 hours
Ambient temperature	-20°C to +40°C	Ingress protection		IP66
Lens	Toughened glass (6mm)			
Beam type	Spot			



EXPLOSION PROOF RECHARGEABLE SAFETY HAND LAMP

The AT-1280 rechargeable safety handlamp is designed for use as a general purpose safety lamp for inspection and work tasks. Rechargeable battery operation offers a convenient and cost-effective solution where a lamp is frequently required for use a long time.

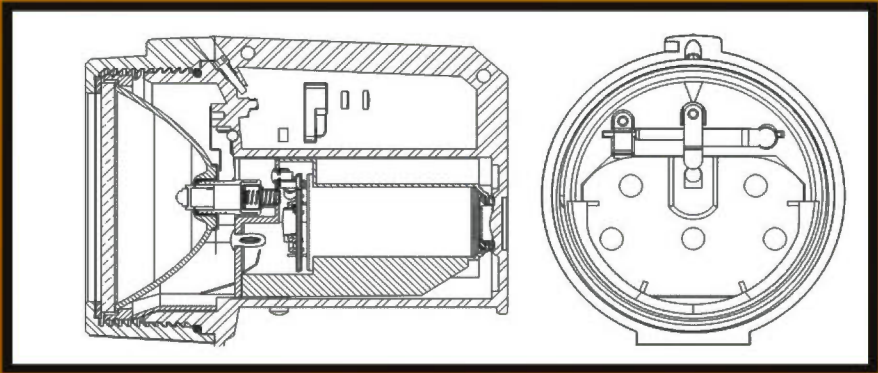
The lamp body is made from highly durable thermoplastic material, the material itself is anti-static, ensure can preventing the build up of static charges.

The battery pack is use highly reliable sealed acid battery, the battery is rendered intrinsically safety by the use of a fast switching short-circuit protection circuit. A low voltage cut-off feature automatically switches the lamp off when all useful battery capacity has bee used, protecting the battery from damage through deep discharge.

Up to 500 recharge cycles give the lamp work more conveniently & cost-effectively. For recharge the lamp, the AT-1280 rechargeable safety handlamp only can use the charger LC-250A. The LED technology ensure more energy save, it gives the lamp work for a very long time, up to 15 hours.



LED



Product Technical Specification				
Product Code NO.	AT-1280	Light source:	Type	LED
Product description	Rechargeable safety handlamp		Volts	4V
Explosion proof degree	II 2G Ex e ib II C T4 Gb II 2D Ex t III C T130°C Db IP66		Watts	0.7W
Area of classification (gases)	Zones 1 and 2, Gas Groups IIA, IIB and IIC		Life	25,000 hrs
Temp. classification (gases)	T4	Battery Pack	Type	Rechargeable battery(sealed lead acid)
Area of classification (dusts)	Zones 21 and 22		Volts	4V
Max. surface temp. (dusts)	135°C		Capacity	5Ah
Ambient temperature	-20°C to +40°C		Life	Up to 500 recharge cycles
Lens	Toughened glass (6mm)	Luminous intensity		≥2100cd
Beam type	Spot	Light duration		Up to 18 hours
		Ingress protection		IP66
		Compatible charger		LC-250A

## EXPLOSION PROOF LAMP RECHARGEABLE UNIT

LC-250A the charger stand with wide voltage input range structure.the input voltage from 100V to 250V can work properly. The charging circuit including the over charging protection and over-discharge protection, and a design of product identification detection chip.This charger only stand for the product of AT Series explosion-proof hand lamp of our company;

State of charge of the battery is indicated on the charger by two coloured light emitting diodes, red only indicates the lamp has not made contact, the lamp must be pushed firmly until latched in the right position, green indicates main charge, green and red indicates the lamp is fully charged.(Flashing of indicators may be observed between main and full charge)

The charge time is 6-7 hours depends on the lamp battery usage.



**LC-250A 110V/220V**