

Hand Lamps

HRD503 Series Explosion-proof Maintenance Lamps



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Safety First: Engineered with superior explosion-proof capabilities, it thrives in hazardous environments where flammable and explosive materials are present.
- ◆ Energy Efficient: Powered by LED technology, it consumes less energy, delivers high luminous efficacy, boasts a long service life, and requires no maintenance, eliminating future upkeep costs. The high-capacity non-memory battery is rechargeable, ensuring sustainability.
- ◆ Waterproof and Resilient: Constructed with alloy enclosure, it withstands impacts and collisions, maintaining its integrity.

- ◆ Versatile and Enduring: Featuring a three-section telescopic pole for height adjustment, the lamp head is thoughtfully designed for versatile angle adjustments, providing multi-directional, all-around illumination.
- ◆ Smart Control: Equipped with intense and working light modes, it utilizes a smart chip for seamless switching between intensities. The intelligent chip also safeguards against overcharging, over-discharging, and short circuits, protecting the battery and extending its life.
- ◆ Portable and Flexible: Its ergonomic design allows the telescopic pole to fold flat, making the lamp compact and easy to carry. The handle includes a designated spot for the pole, ensuring hassle-free movement and enhancing portability.

Technical data

Explosion-proof maintenance lamps HRD503

Explosion protection	IECEX (applied for)
Global (IECEX)	Ex de IIC T6 Gb
Gas	ATEX (applied for)
Europe (ATEX)	Ex II 2 G Ex de IIC T6 Gb
Gas	IECEX; ATEX
Certificates	EN 60079-0, EN 60079-1
Conformity to standards	IEC 60079-0, IEC 60079-1
Rated voltage	16V
Rated capacity	12.8Ah
Lamp(LED)	
Rated power	50W / 25W
Average service life	100000h
Continuous working time	
Strong light	≥8h
Working light	≥16h
Charging time	≥8h
Charging voltage	100~240V AC, 50/60Hz
Service life of battery	about 1000 times cycling
Degree of protection	IP66
Weight	8.6kg

Zones 1&2

