Cooper Crouse-Hinds GmbH – your partner for explosion protection

Small - Powerful - Safe ! Stabex mini II

Small – powerful – safe!
The Stabex mini II fits in every pocket. Although small, it only measures 154 x 34 mm and only weighs135 g (incl. batteries), it provides a high degree of safety as, in addition to fulfilling the high technical requirements for explosion-protected apparatus, it also provides a bright light for a good visibility for 8 hours.

Handling while wearing gloves
In the often extremely rough ambient conditions of industrial and hazardous areas where there are aggressive substances, thermal hazard sources or surfaces and edges that can easily cause injuries, protective gloves are part of the standard equipment. For this reason, it should be possible to operate all the apparatus used there while wearing these often-cumbersome gloves – not always an easy undertaking. Although the Stabex mini II is small, it can be switched on or off and focussed easily with one hand,

even if wearing thick gloves, simply by turning the headpiece. And when it is no longer needed, thanks to the wide clip made of stainless steel, it can be stowed safely in the holder.

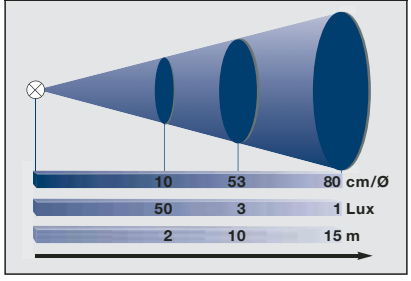
Can take a lot of punishment
The Stabex mini II with its black housing made of black aluminium or polyamide and the high degree of protection IP 66 is almost completely impervious to harmful environmental influences such as moisture and damp, while the scratch and solvent-resistant mineral glass of the lens ensures that the light aperture stays clear.

A lighting technology that can let itself be seen
The lighting technology of the Stabex mini II is particularly efficient. The micro Xenon incandescent lamp gives

off a very bright and white light that the optimized reflector made of purest aluminium directs to the light aperture in the best possible way. There, by simply turning the headpiece of the torchlight, the light can be adjusted exactly to suit the respective job requirements – for use as a spotlight for concentrating on one point, e.g. for taking readings from a measuring instrument or as a broad beam of light for illuminating dark areas.

Safety first
Potentially explosive atmospheres can occur almost anywhere – e.g. in chemical plants, filling stations, refuse dumps, sewerage systems, battery rooms, mills, sawmills, etc. But a potentially explosive atmosphere can also develop in the event of road accidents, earthquakes, fires or other catastrophes. For safety reasons all the explosion-protected hand lamps from Cooper Crouse-Hinds GmbH have all been certified at the least for Zone 1. The Stabex mini II has been certified for use in potentially explosive gas atmospheres in Zones 1 and 2 as well as in potentially explosive dust atmospheres in Zones 21 and 22. Thus, with this torchlight, you are always on the safe side.

Range-diagram Stabex mini II



CEAG: another name for safety
The name CEAG has stood for an extremely high degree of safety for almost 100 years

- Innovative technology
- Practice-orientated products
- Safety you can rely on

Cooper Crouse-Hinds GmbH, a company committed to technical progress, develops and produces explosion-protected luminaires and apparatus under the trade name CEAG for your safety.

Safety requirements
Portable explosion-protected lamps are mainly used for industrial applications such as security patrols, inspections and repair work. For safety reasons, in case explosive substances are present, the police and the fire brigade use explosion-protected lamps at accident scenes. In addition to reliability and safety, explosion-protected portable lamps must meet the standard requirements relating to handling, weight, lighting properties and operating times.

Always on the safe side: minimum requirement Zone 1
Hazardous areas are subdivided into zones. Since there are no physical barriers between theses zones, special attention has to be given to the use of portable electrical apparatus. For this reason Cooper Crouse-Hinds has had all its portable lamps certified for Zone 1. This means that Zone 2 is covered automatically.

Material choice
CEAG hand lamps are made of high-quality, impact-resistant plastics (e.g. modified polyamide or polycarbonate) and aluminium. Due to the addition of conductive substances, the surface resistance of the enclosures is reduced to such a degree that static charges are prevented. All the plastics used can be recycled.

The minimum degree of protection specified for enclosures of explosion-protected electrical apparatus is IP 54. For use under particularly severe conditions, CEAG hand lamps are available in the high degree of protection IP 66. External, scratch and solvent-resistant mineral glass is always used for the light aperture. This ensures that, even under extreme conditions, the light aperture remains clear throughout use.

Ergonomics: single-handed operation
All the CEAG hand lamps have been designed for “single-handed operation”. This means that they can be switched on or off with just one hand – even when wearing safety gloves. The other hand is free for other tasks.

E X - T O R C H L I G H T

Stabex mini II

The new Stabex mini II torchlight fulfils the requirements of ATEX Directive 94/9/EC and is certified for use in potentially explosive gas atmospheres in Zones 1 and 2 and in potentially explosive dust atmospheres in Zones 21 and 22.

Due to the temperature class T4 and the low surface temperature, this torchlight can be used in almost any hazardous area for control, search and inspection tasks.

The possible fields of application range from the chemical and petrochemical fields of industry through the food industry and mills to rescue services, fire services, technical relief organizations and other public organizations.

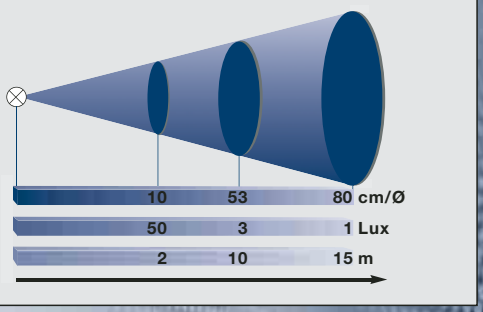
The torchlight is switched on and off and focussed by turning the headpiece.

Thanks to the special design of this torchlight, a special locking mechanism for the housing is not required. This means that batteries can be replaced easily outside the hazardous area without special tools.

The high degree of protection IP 66 guarantees trouble-free operation, even in extreme ambient conditions such as moisture and large variations in temperature.

The light source is an optimized micro Xenon incandescent lamp, whereby the cone of light can be focussed evenly for both short and long ranges. The Stabex mini II is equipped with 2 commercially available dry cells.

Range-diagram Stabex mini II

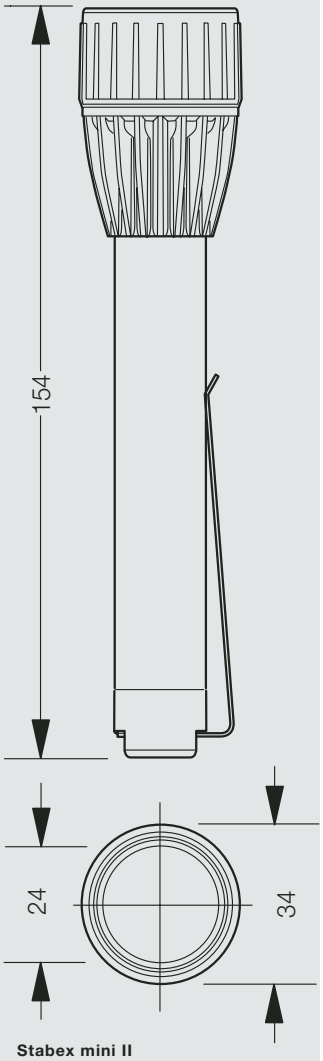


- **Single-handed operation, even when wearing work gloves**
- **High degree of protection IP 66**
- **Scratch and solvent-resistant mineral glass**
- **Micro Xenon incandescent bulb**
- **Lightcone can be focussed**


Stabex mini II

EX-TORCHLIGHT

Stabex mini II



Stabex mini II

Dimensions in mm

Technical data	
Stabex mini	
Marking to 94/9/EC	Ⓔx II 2 G | Ⓔx II 2 D T56 °C
Explosion protection	EEx e ib IIC T4
EC-Type Examination Certificate	PTB 04 ATEX 2119
Housing material Headpiece	Polyamide
Handle	Aluminium, black
Clip	Stainless steel
Light aperture	Ø 24 mm, mineral glass
Incandescent lamp	2.3 V/0.36 A
Max. axial luminous intensity	> 4000 cd
Luminous flux of lamp	approx. 10 lm
Degree of protection to EN 60529	IP 66
Permissible ambient temperature	-20 °C to +40 °C | acc. to data: 0 °C to +30 °C (battery)
Battery	2 dry cells IEC 60086 R 6/LR 6
Operating cycle	approx. 8 hours
Weight	approx. 0.09 kg (without battery)

Ordering details

Type	Scope of delivery	Order qty.	Order No.
Stabex mini II	with incand. lamp, without battery (min. order qty. 10 units)	10	**1 1360 000 001**

Accessories

Incand. lamp 2.3 V/0.36 A	10	**1 1360 002 001**
Hand strap	1	**3 1360 030 005**
Belt holder	1	**3 1360 030 006**

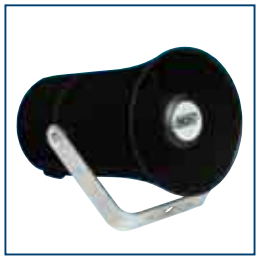
All you need for explosion protection from a single source















Explosion-protected

- Fluorescent light fittings
- Floodlights
- Portable lamps
- Plugs and sockets
- Switchgears/Control units
- Terminal boxes
- Signal devices
- Intrinsically safe signal conditioning
- Remote I/O
- eXLink

CEAG

MEDC

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COOPER Crouse-Hinds

T&D

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