



## (1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

**PTB 99 ATEX 2194**

(4) Equipment: Work and inspection light, type HLE 7L EN

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: D-59494 Soest  
Senator-Schwartz-Ring 26

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 00-29320.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 50014:1997 + A1 + A2**

**EN 50019:1994**

**EN 50020:1994**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

**II 2 G EEx e ib IIC T3 / T4**

Zertifizierungsstelle Explosionsschutz  
By order:

Braunschweig, December 11, 2000

Dr.-Ing. U. Johannsmeyer  
Regierungsdirektor



## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 2194**

(15) Description of equipment

The work and inspection light of type HLE 7L EN is an explosion-protected electrical equipment that includes a filament lamp.

The light of type HLE 7L EN comprises the luminaire bowl, which is covered by a lid, and the luminaire head. The luminaire bowl accommodates the power supply unit with the accumulator. A socket contact can be used for mains connection when recharging the accumulator. Luminaire lid and bowl are connected by means of a special fastener.

The luminaire head accommodates the optical system, the switch and a deep discharge monitor. A double-coil filament lamp, which always has only one of its coils active, is located centrally in the luminaire head. Should the protective glass be broken, the filament lamp will be detached from the contacts by means of a helical spring. The screwed union ring presses a rubberised hard protective glass against the luminaire head.

The battery must not be charged in an explosive atmosphere.

The lamp is provided with three 7 Ah nickel-cadmium cells.

(16) Test report PTB Ex 00-29320

(17) Special conditions for safe use

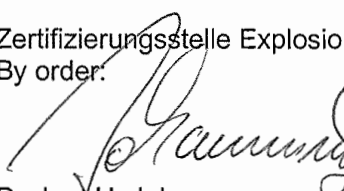
Does not apply.

(18) Essential health and safety requirements

Covered by the above mentioned standards.

Zertifizierungsstelle Explosionsschutz

By order:

  
Dr.-Ing. U. Johannsmeyer  
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