

Translation

(1) EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) No. of EC-Type Examination Certificate: **BVS 13 ATEX E 051 X**
- (4) Equipment: **Headlamp type HL-P1**
- (5) Manufacturer: **PARAT GmbH & Co. KG**
- (6) Address: **Schachtlau 3-4, 94089 Neureichenau, Germany**
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.
- (8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council 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 test and assessment report BVS PP 13.2138 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- EN 60079-0:2012 General requirements**
EN 60079-11:2012 Intrinsic Safety "i"
- (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 appendix to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 **II 2G Ex ib IIB T4 Gb**

DEKRA EXAM GmbH
 Bochum, dated 16th July 2013

Signed: Simanski

 Certification body

Signed: Dr. Eickhoff

 Special services unit

- (13) Appendix to
- (14) **EC-Type Examination Certificate
BVS 13 ATEX E 051 X**

- (15) 15.1 Subject and type
Headlamp type HL-P1

15.2 Description

The headlamp type HL-P1 is a battery supplied portable device. The head lamp type HL-P1 serves as electrical lighting for the application in hazardous areas with explosive gas atmospheres (II 2G, EPL Gb).
The headlamp type HL-P1 is supplied by 4 primary cells (AAA) which shall be changed only outside of the hazardous area. The head lamp type HL-P1 shall not be opened in hazardous areas.
The enclosure is constructed from non-conducting polycarbonate.

15.3 Parameters

Ambient temperature range -20 °C ≤ Ta ≤ +40 °C

- (16) Test and assessment report
BVS PP 13.2138 EG as of 16th July 2013

- (17) Special conditions for safe use
Only the following battery types are permitted:

- Duracell Plus, LR03/AAA
- Energizer Mini Stilo (Classic E92), LR03/AAA
- Varta Consumer Longlife Extra, LR03/AAA
- Varta High Energy, LR03/AAA
- Energizer Ultra, LR03/AAA

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
44809 Bochum, 16th July 2013
BVS-Rip/Ma A20121378

Certification body

Special services unit