



Prüf- und Zertifizierungsstelle

ZELM Ex



(1) **CONFORMITY STATEMENT**
(Translation)

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


ZELM 02 ATEX 3119

- (4) Equipment: **Mobile Phone type ME 45*-Ex**
- (5) Manufacturer: **ecom instruments GmbH**
- (6) Address: **D-97959 Assamstadt**
- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The Prüf- und Zertifizierungsstelle ZELM Ex, notified body No. 0820 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 ZELM Ex 0850212160.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- | | |
|----------------------------|------------------------------|
| IEC 60 079-0: 1998 | EN 50 014: 1997+A1+A2 |
| IEC 60 079-15: 2001 | EN 50 021: 1999 |
- (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 Conformity Statement relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this Statement.
- (12) The marking of the equipment shall include the following:



II 3 G EEx nCL IIC T6

Zertifizierungsstelle ZELM Ex


Dipl.-Ing. Harald Zelm



Braunschweig, January 10, 2003

Sheet 1/2

Conformity Statements without signature and stamp are not valid. The certificates may only be circulated without alteration. Extracts or alterations are subject to approval by the Prüf- und Zertifizierungsstelle ZELM Ex. In the case of dispute, the German text shall prevail.



Prüf- und Zertifizierungsstelle

ZELM Ex



SCHEDULE

(13)

(14)

Conformity Statement ZELM 02 ATEX 3119

(15) Description of equipment

The Mobile Phone type ME 45*-Ex serves as a radio-controlled link in the explosive atmosphere.

Only manufacturer released accessories under defined conditions have to be used.

The equipment must be charged with the associated charging set outside of the explosive atmosphere.

Electrical data

Supply circuit

from a built-in battery

The internal circuits are intrinsically safe.

maximum ambient temperature - 10 °C to + 55 °C

References

The instruction manual has to be considered.

The equipment must only be charged outside of the explosive atmosphere with the appropriate accessories.

(16) Report No.

ZELM Ex 0850212160

(17) Special conditions for safe use

not applicable

(18) Essential Health and Safety Requirements

met by standards

Zertifizierungsstelle ZELM Ex


Dipl.-Ing. Harald Zelm



Braunschweig, January 10, 2003

Sheet 2/2

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Prüf- und Zertifizierungsstelle ZELM Ex

1st Addition

(Addition in accordance with EC Directive 94/9 Appendix III Item 6)

to the Conformity Statement

ZELM 02 ATEX 3119
(Translation)

Equipment: Mobile telephone ME 45*-Ex
Manufacturer: ecom instruments GmbH
Address: D-97959 Assamstadt

Description of the addition

The 1st addition to the Conformity Statement relates specifically to the designation of the equipment.
The technical data and the information provided on the Conformity Statement remain unchanged.
The ME 45*-Ex mobile telephone may now be manufactured subject to compliance with this modification.
The ignition protection type is being supplemented and is now called:

II 3 G EEx nCL IIC T6
II 3 D T 75°C IP 54

Test report no.

ZELM Ex 0360317188

Special conditions

not applicable

Essential health and safety requirements

The essential health and safety requirements are met by virtue of conformity with:

EN 50.014: 1997+A1+A2	IEC 60079-0: 1998	IEC 60079-15: 2001
EN 50 021: 1999	EN 50 281-1-1: 1998	
prEN 61241-0: 2002	31H/143/CD (IEC 61241-11): 2002	

Zertifizierungsstelle ZELM Ex

Braunschweig, July 8, 2003

Dipl.-Ing. Harald Zelm

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