

Prüf- und Zertifizierungsstelle (Test and Certification Body) **ZELM Ex**

(1) **EC-Type Examination Certificate**

(2) Devices and shielding systems intended for regulated use in explosive areas - **Directive 94/9/EC**

(3) EC-Type Examination Certificate number

ZELM 08 ATEX 0372 X

(4) Device: **Explosion-shielded mobile phone type X.com 60x -Ex**

(5) Manufacturer: **ecom instruments GmbH**

(6) Address: **D-97959 Assamstadt**

(7) The construction of this device and the various permissible details are specified in the appendix to this Type Examination Certificate.

(8) As notified body No. 0820, according to article 9 of the Council Directive of the European Communities dated 23 March 1994 (94/9/EC), Prüf- und Zertifizierungsstelle (Test and Certification Body) ZELM Ex certifies the fulfilment of the fundamental health and safety requirements for the conception and construction of devices and protective systems for intended use within explosive areas in accordance with appendix II of the directive.

The results of the examination are specified in the confidential inspection report No. ZELM Ex 1000724606.

(9) The fundamental health and safety requirements are fulfilled through compliance with

EN 60079-0:2006 EN 60079-11 :2007 EN 61241-0:2006 EN 61241-11:2006

(10) If the character „X“ appends the certificate number, it refers to special conditions in the appendix to this certificate for the safe application of the device.

(11) This EC-Type Examination Certificate only refers to the construction, examination and testing of the specified device or protective system in agreement with directive 94/9/EC. Further requirements of this directive may apply for the manufacturing process and the supply of this device or protective system. These are not covered by the present certificate.

(12) The designation of the device must contain the following details:



**II 2 G Ex ib IIC T4
II 2 D Ex ibD 21 T130°C**

Certification body **ZELM Ex**

Brunswick, 01.04.08

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Appendix

(13)

(14) **EC-Type Examination Certificate ZELM 08 ATEX 0372 X**

(15) Description of the device

The explosion-shielded mobile phone X.com 60x -Ex serves the purpose of providing communication in explosive areas. The “x” in the type designation is replaced by a digit or a letter to distinguish between permitted versions of the device (e.g. software versions).

The device should only be operated with the corresponding battery module and it should only be charged outside the explosive area using the corresponding charging accessory.

Electrical data

Power supply: from a corresponding battery module
type AMX 60*
(The “x” in the type designation is replaced by a digit or a letter to distinguish between permitted versions).
The internal electrical circuits are intrinsically safe.

Transmitting power up to 2 W

permissible ambient temperature range -20 °C to + 50 °C

(16) Test report No.
ZELM Ex 1000724606

(17) Special conditions

1. The safety instructions are to be observed.
2. The device may only be charged outside the explosive area using the corresponding charger or the appropriate charging accessories.
3. Only the battery module AMX 60* may be used!
Opening or changing the battery module is not permitted within the explosive area.
4. The interface cover must be firmly secured in the designated manner within the explosive area.

(18) Fundamental health and safety requirements
fulfilled by standards

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EC-type examination certificates without a signature and stamp are not valid.
This EC-type examination certificate may only be circulated without alteration.
Extracts or alterations are subject to approval by the Prüf- und Zertifizierungsstelle

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