



(1) EC-TYPE-EXAMINATION CERTIFICATE

- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - Directive 94/9/EC
- (3) EC-TYPE-EXAMINATION CERTIFICATE Number:

ZELM 06 ATEX 0321

- (4) Equipment: **Explosion-protected Mobile Radio Unit TC-700 Ex PLUS**
- (5) Manufacturer: **Shenzhen HYT Science & Technology CO., LTD.**
- (6) Address: **HYT Tower, Shenzhen High-Tech Industrial Park North, Beihuan Rd., Nanshan District Shenzhen P.R.C., Postcode: 518057**
- (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 1310612504.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 60079-0:2004 EN 50020:2002**
- (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, 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 Certificate.
- (12) The marking of the equipment shall include the following:



II 2 G Ex ib IIB T3

Zertifizierungsstelle ZELM Ex


Dipl.-Ing. Harald Zelm



Braunschweig, December 8, 2006



SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE ZELM 06 ATEX 0321**

(15) Description of equipment

The explosion protected Mobile Radio Unit TC-700 Ex PLUS is used for the communication in potentially explosion hazardous area.

The device is equipped with a rechargeable akku-module BL1703-Ex for power supply and is only allowed to be charged outside potentially explosion hazardous area.

It is only allowed to connect appropriate accessory according instruction manual.

The permitted ambient temperature range is -20°C to $+50^{\circ}\text{C}$

Electrical data

Supply circuit	from a built-in rechargeable Battery Pack The internal circuits are intrinsically safe.
Transmission power	up to 3.5 W
Microphone speaker-circuit:	only for the connection at appropriate accessory according instruction manual
Charging socket	the charging of the Battery Pack is only permitted by the appropriate charger

References:

The instruction manual has to be considered.

The associated Battery Pack must only be charged outside of the explosion hazardous area with the appropriate charger.

(16) Report No.

ZELM Ex 1310612504


(17) Special conditions for safe use

not applicable

(18) Essential Health and Safety Requirements

met by standards

Zertifizierungsstelle ZELM Ex


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