



## (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 05 ATEX 5009**

(4) Equipment: Control units, types CG06 and CG07  
for electrostatic powder spraying equipment

(5) Manufacturer: ITW Gema AG

(6) Address: Mövenstrasse 17, 9015 St. Gallen, Switzerland

(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 06-55248.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50177:1996**                      **EN 50050:2001**

(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 in accordance to the 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 (2) 3D IP54 85°C**

Zertifizierungsstelle Explosionsschutz  
By order:

Braunschweig, 16 November 2006

  
Dr.-Ing. M. Beyer  
Oberregierungsrat



## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 05 ATEX 5009**

(15) Description of equipment

The control units of types CG06 and CG07 are control elements for electrostatic powder spraying equipment of category 2 that are used for handling flammable coating powder.

The control units are designed for use in connection with electrostatic powder spraying equipment of types OptiSelect GM02, OptiGun GA02, OptiGun GA01, PG 2-AX, PG 2-A, PG 1, and TriboJet.

(16) Test report PTB Ex 06-55248

With the control units there is no ignition hazard as a result of hot surfaces. The requirements of temperature class T6 (85°C) and IP64 degree of protection are complied with.

(17) Special conditions for safe use

None

Notes for manufacturing and operation:

Compliance with the values shown in Test Reports PTB Ex 03-53018, PTB Ex 04-54148, and PTB Ex 06-55151 for output current and output voltage of the electrostatic powder spraying equipment OptiSelect GM02, OptiGun GA02, OptiGun GA01, PG 2-AX, PG 2-A, PG 1, and TriboJet has to be safeguarded with a routine test.

The control units of types CG06 and CG07 may only be operated in compliance with the requirements in EN 50177, EN 50050 and other relevant regulations.

The control units of types CG06 and CG07 may only be operated as category-3 equipment or outside the potentially explosive atmosphere.

(18) Essential health and safety requirements

Met by compliance with the afore-mentioned Standards.

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. M. Beyer  
Oberregierungsrat



Braunschweig, 16 November 2006

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