



(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 07 ATEX 1016

(4) Equipment: Gas Detection Transmitter, type IDS 010x and IDS 011x

(5) Manufacturer: Dräger Safety AG & Co. KGaA

(6) Address: Revalstraße 1, 23560 Lübeck, Germany

(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 07-17101.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 61241-0:2006 **EN 61241-1:2004**

(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 D Ex tD A21 IP65 T80°C/T130°C**

Zertifizierungsstelle Explosionsschutz

Braunschweig, July 20, 2007

By order:



(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 07 ATEX 1016

(15) Description of equipment

The Gas Detection Transmitter Type IDS 010x and IDS 011x serves for the measurement of different gases in dust-hazardous areas. It consists of an enclosure out of stainless steel in the type of protection "tD" with a window and a mirror. The type IDS 010x has a 3/4 " NPT threaded nipple and the type IDS 011x has a M25 threaded nipple, both to be connected to a – separately certified - termination compartment.

Technical Data

Rated voltage 9 up to 30 VDC
Rated current..... max. 1 A
Rated wattage max. 9 W
Rated cross section max. 2,5 mm²
Ambient temperature -40 °C up to +40 °C resp. +80 °C
Protection against dust
and water..... IP65 according to EN 60529

(16) Test report PTB Ex 07-17101

(17) Special conditions for safe use

None

(18) Essential health and safety requirements

Met by compliance with the aforementioned Standards

Zertifizierungsstelle Explosionsschutz

Braunschweig, July 20, 2007

By order:


Dr.-Ing. M. Thedens
Oberregierungsrat

