

[1] **EC-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**



[3] EC-Type Examination Certificate Number: DEMKO 06 ATEX 141332

[4] Equipment: Two-wire Inhead Transmitter, TT 30 C

[5] Manufacturer: KROHNE MESSTECHNIK GMBH & CO KG

[6] Address: Ludwig-Krohne-Strasse 5, Duisburg, D-47508, Germany

[7] This equipment or protective system and any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to 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 confidential report no. 141332

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 E incl. A1+A2 EN 50020: 2002 E EN50284: 1999E

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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 the certificate.

[12] The marking of the equipment or protective system shall include the following:

II 1G EEx ia IIC T4-T6

On behalf of UL International Demko A/S

Herlev, 2006-12-19

Karina Christiansen
Certification Manager

UL International Demko A/S

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Certificate: 06 ATEX 141332

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Schedule

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 06 ATEX 141332

- [13]
- [14]
- [15] Description of Equipment:

The TT 30 C_{Ex} is a two-wire transmitter intended for temperature measurements in process industry. The transmitter is made for mounting in DIN standard head. The transmitter is calibrated and configured with a PC, which can be connected to the transmitter via an outlet. The transmitter is intended to be mounted in hazardous area. The transmitter is powered with an intrinsic safe power supply unit, which is mounted outside the hazardous area.

Input (Sensor)	Output (current loop)
U _o : 30 V	U _i : 30 V
I _o : 25 mA	I _i : 100 mA
P _o : 188 mW	P _i : 0,9 W
L _o : 50 mH	L _i : 0 mH
C _o : 66 nF	C _i : 0 μF

The TT 30 C may be used for the below mentioned ambient temperature ranges in the following temperature classes:

T4: for ambient temperature: $-40\text{ °C} < T_{amb} < +85\text{ °C}$

T5: for ambient temperature: $-40\text{ °C} < T_{amb} < +65\text{ °C}$

T6: for ambient temperature: $-40\text{ °C} < T_{amb} < +50\text{ °C}$

- [16] Report No.:

141332-01

Drawings:

The Schedule drawings are listed in the document S-9619-A entitled "List of scheduled and related drawings" dated 2006-12-11".

- [17] Special conditions for safe use:

The transmitter must be electrically connected via an approved or certified isolating interface/zener barrier placed outside the hazardous area.

The transmitter is to be mounted in an enclosure providing IP20 or better.

The transmitter is to be calibrated and configured with the certified PC Cable, certificate 06 ATEX 141337X, which can be connected to the transmitter via an outlet. The transmitter must not be calibrated / configured after mounting unless the area is known to be non-hazardous.

[13]

Schedule

[14]

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[18]

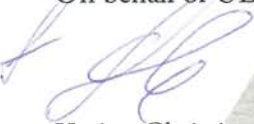
Essential Health and Safety Requirements

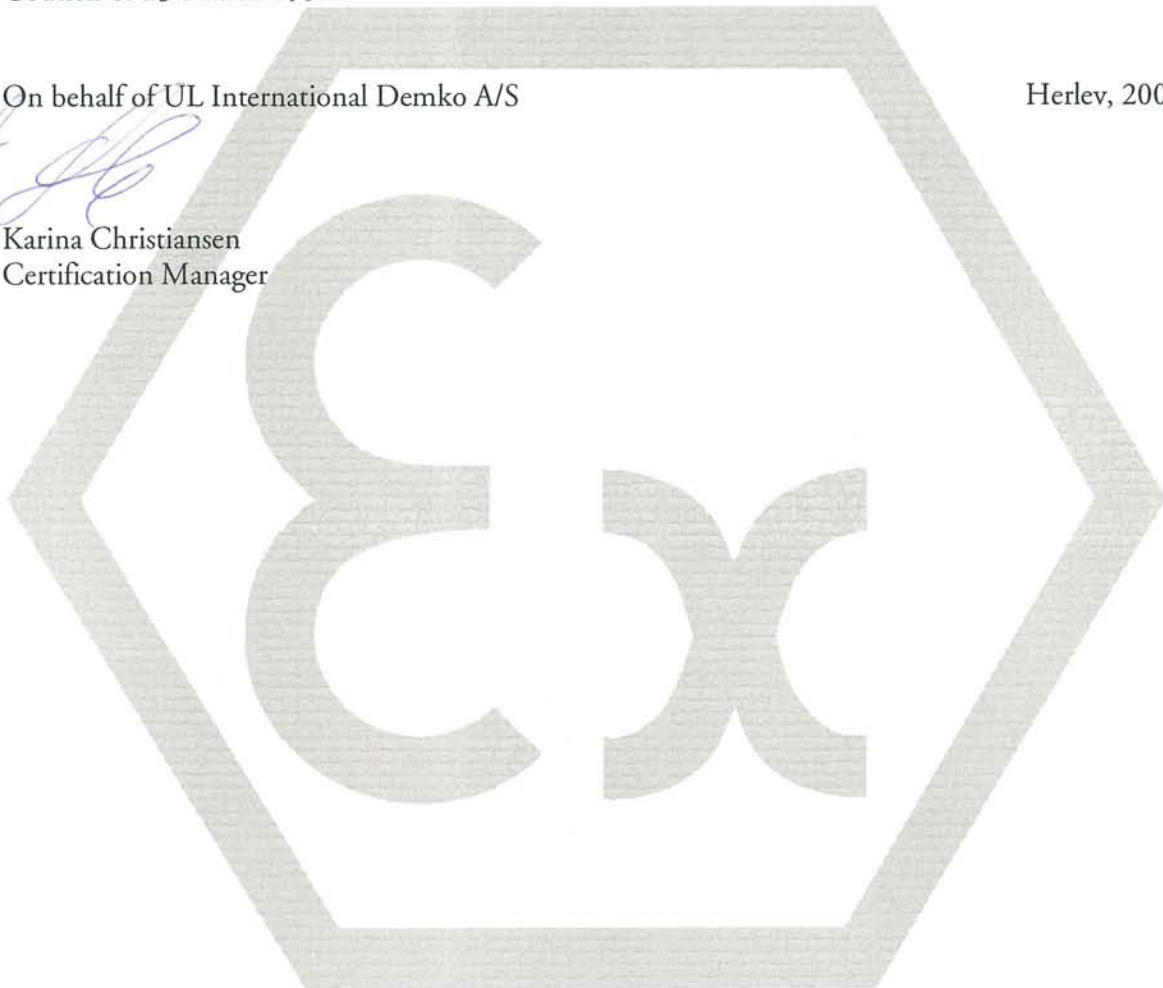
Concerning EHSR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2006-12-19


Karina Christiansen
Certification Manager



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