

Translation

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

**TÜV NORD**



(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

- (3) **Certificate Number**                      **TÜV 07 ATEX 347156 X**
- (4) for the equipment:                      BattTemp Pt100 Thermometer  
Type: 86 30-611
- (5) of the manufacturer:                      Baumer A/S
- (6) Address:                                      Jacob Knudsens Vej 14  
DK-8230 Aabyhoej  
Denmark
- Order number:                                  8000347156
- Date of issue:                                    2007-05-01

- (7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system 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 No. 07203347156.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 60079-0:2006                                  EN 50020:2002                                  EN 60079-26:2004**
- (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 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 or protective system must include the following:

**II 1G Ex ia IIC T3,T4,T5**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, accredited by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the certification body

Schwedt

Hanover office, Am TÜV 1, 30519 Hanover, Fon +49 (0)511 986 1455, Fax +49 (0)511 986 1590

(13) **SCHEDULE**

(14) **EC-Type Examination Certificate No. TÜV 07 ATEX 347156 X**

(15) Description of equipment

BattTemp is a stand alone electronic thermometer for connection to a Pt100 sensor. The product is "stand alone" and operates without connection to an external supply. The actual temperature can be seen in the build in LCD display. The complete unit is build into Stainless steel IP 65 housing.

Intrinsically safe parameters:

The BattTemp unit have internally two intrinsically terminals. These terminals must only be connected to "simple apparatus" fulfilling EN 50020:2002 clause 5.4. By this a standard Pt100 sensor can be connected without any need for additional IS data.

(16) Test documents are listed in the test report No. 07203347156.

(17) Special conditions for safe use

Only the following battery types must be used in BattTemp:

- 1) Energizer FR6 LR91 Size AA or
- 2) Duracell Alkaline MN1500 LR6 Size AA

The battery must only be replaced in a non-hazardous area. Marking: „DO NOT REMOVE BATTERY IN A POTENTIALLY EXPLOSIVE ATMOSPHERE“

**Temperature classes with battery:**

Energizer FR6 LR91 Size AA:

Duracell Alkaline MN1500 LR6 Size AA

T1 - T4:  $-10\text{ °C} < T_{\text{amb}} < +70\text{ °C}$

T1 - T3:  $-10\text{ °C} < T_{\text{amb}} < +70\text{ °C}$

T1 - T5:  $-10\text{ °C} < T_{\text{amb}} < +50\text{ °C}$

T1 - T4:  $-10\text{ °C} < T_{\text{amb}} < +60\text{ °C}$

(18) Essential Health and Safety Requirements

no additional ones