



[1] **TYPE EXAMINATION CERTIFICATE**
(Translation)

[2] for electrical equipment of Equipment Group II, Equipment Category 3

[3] Type Examination Certificate Number: **IBExU09ATEXB009**

[4] Equipment: **Visual unit POLARIS II**
Typ 17-72V* ****/****

[5] Manufacturer: Bartec GmbH

[6] Address: Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

[7] The design of the equipment mentioned under [4] and any acceptable variations thereto are specified in the schedule to this Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH certifies that the equipment mentioned under [4] has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive 94/9/EC.
The test results are recorded in the test report IB-09-3-290 of 5 October 2009.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2006 and EN 60079-15:2005.

[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 under [17] in the schedule to this Type Examination Certificate.

[11] This Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment.

[12] The marking of the equipment mentioned under [4] shall include the following:

II 3G Ex nA II T5

-25 °C ≤ T_a ≤ +50 °C

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Freiberg, 5 October 2009

By order

(Dr. Wagner)

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- Stamp -

Certificates without signature and stamp are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Schedule

[13] **Schedule**

[14] **to the TYPE EXAMINATION CERTIFICATE IBExU09ATEXB009**

[15] **Description of equipment**

The Visual unit POLARIS II type 17-72V*-****/**** permits the use of arbitrary software applications in explosive areas of the zone 2. The equipment can be used both as panel-PC and as remote terminal. The construction types have a touch screen or an optionally separated keyboard with track ball or touch pad.

In addition, components suitable for category 3G or higher with a degree of protection of at least IP 54 can be built-in in the wall of the enclosure.

Technical data

Ambient temperature range -25 °C to +50 °C

Display size 12 – 22 inch

Typ 17-72V*-*1/******

Wide range voltage

Rated voltage:

90 V AC to 253 V AC max. 120 W

Typ 17-72V*-*2/******

DC-power supply

Rated voltage:

+24 V DC (18 V to max. 26 V) max. 120 W

[16] **Test report**

The test results are recorded in the Test Report IB-09-3-290. The test documents are part of the test report and are listed there.

Summary of the test results

The Terminals fulfil the requirements of explosion protection for electrical equipment of Equipment Group II and Category 3G.

[17] **Special conditions for safe use**

none

[18] **Essential Health and Safety Requirements**

Confirmed by compliance with standards (see [9])

By Order

Freiberg, 5 October 2009



(Dr. Wagner)