



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx EPS 15.0010X Issue No: 1 Certificate history:
Status: Current Page 1 of 5 Issue No. 1 (2016-04-28)
Date of Issue: 2016-04-28 Issue No. 0 (2015-04-13)
Applicant: BARTEC GmbH
Max-Eyth-Str. 16
97980 Bad Mergentheim
Germany
Electrical Apparatus: Tablet PC Agile X and HART module type B7-A2Z0-0033
Optional accessory: see description below
Type of Protection: intrinsic safety ic
Marking:
Agile X:
Ex ic IIA/IIC T5 Gc
Ex ic IIIB T90°C Dc IP54
HART module:
Ex ic [ia Ga] IIC T4 Gc
Ex ic [ia Da] IIIB T135°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

D. Zitzmann

Position:

Manager Certification

Signature:
(for printed version)

Date:



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:



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Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: BARTEC GmbH
Max-Eyth-Str. 16
97980 Bad Mergentheim
Germany

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/EPS/ExTR15.0014/01](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Agile X (B7-A23*~*) are tablet computers. Power is provided by a self-contained, rechargeable lithium-polymer battery. The device is not intended to be charged in a hazardous location.

The HART add on module type B7-A2Z0-0033 is an extension module for operation mounted on the intrinsic safe BARTEC tablet PC. The module can be connected as a secondary master to a HART-loop for digital HART communication. It allows operations like the configuration of HART devices and network sniffing. The HART loop is connected via two banana sockets.

Optional accessory (Bartec Nr.):

B7-A2Z0-0028, B7-A2Z0-0029, B7-A2Z0-0031, B7-A2Z0-0032, 03-9849-0130, 03-9849-0131

Electrical Data B7-A2Z0-0033:

$U_i = 6,5 \text{ V}$ (power supply)

$U_i = 30 \text{ V}$; $U_m = 60 \text{ V}$; $U_o = 3 \text{ V}$; $I_o = 10 \text{ mA}$ (HART interface)

CONDITIONS OF CERTIFICATION: YES as shown below:

Maximum ambient temperature range: -20°C to $+50^\circ\text{C}$.

External connectors shall never be used in hazardous areas. The battery shall never be removed, changed or charged in hazardous areas. The RFID module shall never be mounted or removed in hazardous areas. The flash (LED) shall never be used as a permanent light in hazardous areas.

The apparatus shall be protected against mechanical impact, excessive UV-light and strong charge generating processes.

In combination with Bartec accessory 03-9849-0130 (hand strap) the device is only suited for gas group IIA.

It is allowed to connect the HART add on module to non certified HART circuits outside hazardous areas. $U_m = 60 \text{ V}$ shall never be exceeded. The user is responsible to meet this condition.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Addition of HART Module Type B7-A2Z0-0033