



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:	IECEx EPS 17.0012X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2019-03-26)
Date of Issue:	2020-12-11		Issue 1 (2018-05-08)
Applicant:	BARTEC GmbH Max-Eyth-Str. 16 97980 Bad Mergentheim Germany		Issue 0 (2018-04-19)
Equipment:	Touch Computer TC75ex-NI / TC75Xex-NI / TC77ex-NI B7-A26*-****/*****		
Optional accessory:			
Type of Protection:	Intrinsic safety "i", op is		
Marking:	Ex ic op is IIC T5 Gc		
	Ex ic op is IIIB T100°C Dc IP64		

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:

Holger Schaffer

Certification Manager



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 www.iecex.com or use of this QR Code.



Certificate issued by:

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





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Issue No: 3

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

Additional
manufacturing
locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

This Certificate **does not** indicate compliance with 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/ExTR17.0010/03

Quality Assessment Report:

DE/TUN/QAR06.0017/12



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The TC75^{ex}-NI, TC75X^{ex}-NI and TC77^{ex}-NI are portable touch computers with bar-code scanner. Power is provided by a self-contained, rechargeable and user-replaceable battery pack. Scanning options include different types of 2D-Imagers. A scanner handle with part number B7-A2Z0-0052 can be used as an accessory.

Electrical data:

TC75 ^{ex} -NI:	Battery 3.7 VDC (4620 mAh)	B7-A2Z0-0045
TC75X ^{ex} -NI:	Battery 3.7 VDC (4620 mAh)	B7-A2Z0-0053
TC7X-NI series:	Battery 3.7 VDC (4620 mAh)	B7-A2Z0-0072

Accessories:

Screen protector	B7-A2Z0-0051
Scan handle	B7-A2Z0-0052
Leather holster	B7-A2Z0-0057
Leather carry case	B7-A2Z0-0073

Ambient temperature range:

-20 °C to +50 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

The battery pack shall be changed or charged only outside hazardous areas.

Only use battery pack with part number B7-A2Z0-0045 for the TC75^{ex}-NI and B7-A2Z0-0053 for the TC75X^{ex}-NI.

Battery pack B7-A2Z0-0072 can be used for TC77^{ex}-NI / TC75^{ex}-NI / TC75X^{ex}-NI.

Connection and disconnection of all external ports, opening enclosure, or replacing battery pack while live is only permitted if the potentially explosive atmosphere is shown to be absent.

Only the display protector foil with part number B7-A2Z0-0051 may be used.

The equipment shall be protected from impacts with high impact energy and high electrostatic charge generating processes.

The manufacturer's safety instructions shall be respected strictly.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

TC77^{ex}-NI added.