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MTEx Laboratories
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Ontploffing Beskermingsdienste
Explosion Prevention Services

Reg No.: 2012/055110/07; VAT No.: 4830273027

ACCREDITED TEST LABORATORY
IN TERMS OF THE ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

INSPECTION AUTHORITY CERTIFICATE

BARTEC SAFETY (PTY) LTD.
31 BEACON ROAD
P.O. BOX 58071
NEWVILLE
2114

Issued: 2019/10/01
Expire: 2022/10/01
Revision: 0

Equipment: Touch Computer
Manufacturer: BARTEC GmbH
Address: Max-Eyth-Str. 16, 97980 Bad Mergentheim, Germany
Model/Type: TC75ex-NI and TC75Xex-NI B7-A26*-****
Serial No.: All units imported between Issued and Expiry dates.

Applicant:
BARTEC SAFETY (PTY) LTD.

Inspection Authority Number: **MTEx-S/19.0380 X**

MTEx Record Number: **MTEx 0818/19.0380**

Ex Rating: **Ex ic op is IIC T5 Gc**
Ex ic op is IIIB T100°C Dc IP64

Standards used:

SANS 60079-0: 2012 Ed.5 IEC 60079-0: 2011 Ed.6	Explosive atmospheres – Part 0: General requirements.
SANS 60079-11: 2012 Ed.4 IEC 60079-11: 2011 Ed.6	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i".
SANS 60079-28: 2009 Ed.1 IEC 60079-28: 2006 Ed.1	Explosive atmospheres – Part 28: Protection of equipment and transmission systems using optical radiation.

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

Hazardous Area: Zone 2 and/or Zone 22.
Occurrence: Intermittent and abnormal conditions
Hazardous Group: IIC & IIIB
Permitted Temperature: T5 (100°C) and 100°C for dust applications.

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Template: MTExDOC101 Rev 4
Approve date : (2018/10/24)

Equipment Protection level (EPL):

EPL		Definition
Gas	Dust	
Gc	Dc	Equipment for explosive gas and dust atmospheres, having an "enhanced" level of protection, which is not a source of ignition in normal operation and which may have some additional protection to ensure that it remains inactive as an ignition source in the case of regular expected occurrences (for example failure of a lamp).

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 8(1) of the Occupational Health and Safety Act, provided that the apparatus is used as prescribed in accordance with:

- 1) Any conditions set out in this Certificate;
- 2) This certificate only covers equipment imported between the "Issued" and "Expiry" dates;
- 3) When the supporting Q.A.N. (Quality Assurance Notification) of the equipment manufacturer expires, it is the responsibility of the applicant (as mentioned above) to submit a valid Q.A.N to MTEEx Laboratories.
- 4) The test results presented in this Ex Test Report relate only to the item or product tested.

1. OVERVIEW

The TC75^{ex}-NI and TC75X^{ex}-NI are portable touch computers with bar-code scanner. Power is provided by a user-replaceable battery pack. Scanning options include a Blockbuster Imager (SE4750). A scanner handle with part number B7-A2Z0-0052 can be used as an accessory.

2. ELECTRICAL/ AND SAFETY PARAMETERSElectrical data:

TC75^{ex}-NI: Battery powered 3.7 VDC (4620 mAh) B7-A2Z0-0045

TC75X^{ex}-NI: Battery powered 3.7 VDC (4620 mAh) B7-A2Z0-0053

Ambient temperature range:

-20 °C to +50 °C

3. REASON FOR REVIEW

- ARP 0108: 2014 Requirement.

4. DOCUMENTATION PROVIDED

- IECEx Quality Assessment Report (DE/TUN/QAR06.0017/10)
- IECEx Certificate of Conformity (IECEx EPS 17.0012X, Issue 2)
- EU Type Examination Certificate (EPS 17 ATEX 1028 X)

5. SPECIAL CONDITIONS OF USE (X)

Batteries shall only be charged and changed in an area known to be non-hazardous.

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

USB port shall not be used in hazardous area.

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

The device must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.

6. ROUTINE EXAMINATIONS AND TESTS

None.

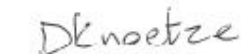
7. MARKING

For validity purposes, the following marking must be added to all equipment covered by this certificate:

Manufacturer: BARTEC GmbH
Supplier: BARTEC Safety (Pty) Ltd.
Equipment: Touch Computer
Model/Type: TC75ex-NI and TC75Xex-NI B7-A26*-****
IA Number: MTEEx-S/19.0380 X
Ex Rating: Ex ic op is IIC T5 Gc
Ex ic op is IIIB T100°C Dc IP64
Serial No.: -----

Note 1: It is the responsibility of the supplier to ensure that the marking label complies with the ARP 0108: 2018, clause 8.3.

Authorized by:



D. Knoetze, Testing Officer.

Reviewed by:



H. De Wet, Editor.

MTEEx Laboratories

Note: This document may not be reproduced except in full.

MTEEx Laboratories takes no responsibility for any non-conforming tests / assessments / results which is not in compliance with the relative Standards. By marking the equipment as mentioned in the documentation, the manufacturer takes full responsibility that the equipment has indeed complied with the original type assessment and has been subjected to any routine verification(s) / test(s) respectively.

End of Certificate