



Ontploffingvoorkomingstechnologie
Explosion Prevention Technologies

MTEEx Laboratories

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INSPECTION AUTHORITY (IA) CERTIFICATE

BARTEC Safety (Pty) Ltd.
P.O. Box 58071
Newville
2114

Issued: 2023/05/30
Expire: 2026/05/30
Revision: 0
Job File: 2193

Applicant:

BARTEC SAFETY (PTY) LTD.

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

IA Number: MTEEx-S/23.0193 X
Manufacturer: BARTEC GmbH
Supplier: BARTEC Safety (Pty) Ltd.
Equipment: Scan module for Pixavi Thermal, Pixavi Phone and Pixavi Cam
Model/Type: 17-S1Z0-0001/0003
Ex Rating: Ex ib op is IIC T4 Gb
Ex ib op is IIIC T135°C Db
Tamb: Ta = -20°C to +60°C
Serial No: All units imported between the issue and expiry dates of this Certificate.



Standards used:

SANS 60079-0: 2019 Ed.6 IEC 60079-0: 2017 Ed.7	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: 2016 Ed.1 IEC 60079-28: 2015 Ed.2	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.

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(3) 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 testing.
- 5) Note: It is the responsibility of the supplier to ensure that the marking label complies with the requirements of the relevant regulator.
- 6) This Certificate validates all units imported between Issued and Expiry dates.

Reviewed by + Signature (ExTL):	A. van Niekerk	
Approved by + Signature (ExCB): (MTEEx Laboratories Technical Signatory)	D. Young	



Megaton Systems (Pty) Ltd.
T/A MTEEx Laboratories



Website: www.mtexlab.co.za
Reg No: 2012/055110/07
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MTEEx Laboratories is an Accredited Test Laboratory (ATL) in terms of the
ARP 0108: "Regulatory Requirements for Explosion-Protected Apparatus"

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1. OVERVIEW

The Pixavi Phone Scan Module, with integrated Scan Engine from ZEBRA and a range of up to 14 m, for Zone 20 and Zone 21 barcodes and used to capture a variety of business information to streamline everyday business processes.

The replaceable Pixavi Phone Battery Pack is modified to incorporate the scan module. The Pixavi Phone Scan Module utilizes laser targeting, LED flash and a camera to scan bar information.

2. REASON FOR REVIEW

Revision 0: ARP 0108 requirement (Initial IA Certificate).

3. DOCUMENTATION PROVIDED

- IECEx Certificate of Conformity (IECEx CSAE 23.0015 X Issue 0).
- EU-Type Examination Certificate (CSANe 23 ATEX 1078 X Issue 0).
- IECEx Quality Assessment Report (DE/TUN/QAR06.0017/14).

4. ELECTRICAL / SAFETY PARAMETERS

None.

5. INSTALLATION INSTRUCTIONS

The instructions provided with the product shall be followed in detail to assure safe operation.

6. CONDITIONS OF CERTIFICATE (X)

- The apparatus shall only be fitted to an Ex certified Pixavi Thermal, Pixavi Phone and Pixavi Cam (17-S13*-****/*****).
- The apparatus shall not be subjected to a prolific charge generating mechanism (such as might occur in pneumatic transfer of powders or charge spraying in a powder coating process).

MTEEx Laboratories

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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 Report