



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 SIM 09.0005 issue No.:0 Certificate history:

Status: **Current**

Date of Issue: 2010-04-01 Page 1 of 4

Applicant: **Stott Industrial Supplies Pty Ltd**
Unit 1 - 19 Balook Drive
BERESFIELD NSW 2322
Australia

Electrical Apparatus: **Alignment Laser Models SLX-635P and BLX-635**
Optional accessory:

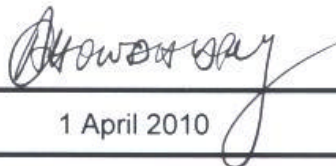
Type of Protection: **ia**

Marking: **Model SLX-635P**
Ex ia I/IIB 144°C
Model BLX-635
Ex ia I/IIB 136°C
IECEX SIM 09.0005

*Approved for issue on behalf of the IECEx
Certification Body:* Ashraf Chowdhury

Position: Principal Engineer

Signature:
(for printed version)



1 April 2010

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:

Safety in Mines Testing and Research Station (Simtars)
2 Smith Street
REDBANK QLD 4301
Australia





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Manufacturer: **Jatco (Australia) Pty Ltd t/a Applied Resolution Technologies Pty Ltd**
Unit 12, 16 Yampi Way
WILLETTON WA 6155
Australia

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 : 2004 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition: 4.0

IEC 60079-11 : 2006 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 5

*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:

[AU/SIM/ExTR09.0007/00](#)

Quality Assessment Report:

[AU/SIM/QAR10.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Alignment Laser, Models SLX-635P and BLX-635, each comprise a laser module fitted with the laser diode package, encapsulated laser drive circuitry and a fuse. With the exception of the laser diode packages, the laser modules are identical for both laser types.

Model SLX-635P comprises a 1 mW red laser powered by two AA-size primary cells (Panasonic Industrial LR6 (GW)) located in a zinc-plated housing manufactured from hexagonal brass stock. The housing is fitted with a level-indicator vial on the top side and six recessed neodymium magnets in the base for magnetic mounting.

Model BLX-635 laser comprises a 5 mW laser module powered by three D-size cells (Panasonic Industrial LR20 (GW)) and alignment mechanism housed in a cylindrical bronze housing. The housing comprises two sections, the laser module / telescoping assembly section and the battery section. The battery section houses the cells, on/off switch mechanism and also incorporates mechanical reverse-polarity protection and a fuse. The battery section is detachable from the laser module / telescoping front section for replacing of the cells in the safe area.

CONDITIONS OF CERTIFICATION: NO



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Additional information:

Battery types used are as follows:

Model SLX-635P: Panasonic Industrial LR6 (GW), AA size

Model BLX-635: Panasonic Industrial LR20 (GW), D size

Annexe: [IECEX SIM 09.0005-0 Annex.pdf](#)