



New South Wales
 Department of Mineral Resources
 Accredited Assessing Authority MDA-A2508

COAL MINES REGULATION ACT, 1982
NOTICE OF APPROVAL

Approval No: MDA Exia 14094
 File Number: C95/0212
 Date of Issue: 29/4/1995

It is hereby notified that the Approved Item listed herein has been assessed for compliance with the Coal Mines Regulation Act and appropriate standards or requirements, and is hereby APPROVED in accordance with the requirements of the COAL MINES REGULATION ACT 1982. This approval is issued pursuant to the provisions of Clause 6 and 7A of the Coal Mines Regulation (Approval of Items) Regulation, 1984.

This APPROVAL is issued to: Stott Industrial Supplies
 Address of Approval Holder: 1 Bell Street WICKHAM NSW 2293
 Description of Item/s: Alignment Laser
 Item Identification: SLX-635P
 CMRA Approval Clause: 27 (b)
 Specific Approval Category: Explosion Protected - Intrinsically Safe

This Approval is issued subject to compliance with the requirements of the Occupational Health and Safety Act, 1983, with particular reference to Sections 15 to 17 of the said Act as it applies to USERS of Approved Items, and to Section 18 of the said Act as it applies to MANUFACTURERS and/or SUPPLIERS of Approved Items.

The Authority issuing the Approval may, for the purposes of the Occupational Health and Safety Act, 1983, append a list of recommendations, (including drawings, documents, etc.) that are applicable to this approved item, as identified during test and/or assessment, to assist the Approval Holder and User to comply with the obligations of the Occupational Health and Safety Act, 1983. The onus is on the Supplier and/or User to ensure the Approved Item, and any deviation from the list of recommendations, in reference to that item is not inferior in any way to the item tested and/or assessed, this includes the supply, installation and continuing use of the approved item.

The Approval Number shall appear in a conspicuous place and in a legible manner on each approved item, unless specifically excluded.

A copy of this Approval Document together with a copy of the recommendations from the Authority issuing the Approval shall be supplied to each user of the approved item.

Any Maintenance, Repair or Overhaul of Approved Items shall be carried out in accordance with the requirements of the Coal Mines Regulation Act, 1982.

K. J. Fisher

K.J. Fisher
 Accredited Assessing Authority (MDA-A2508)
 for The Chief Inspector of Coal Mines

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

Administered by: Standards Australia Quality Assurance Services

Certificate of Conformity

Certificate No: AUS Ex 3174X Issue 0: Original Issue 29/4/1995
Issue 1: 4/8/2000

Date of Expiry: 29/4/2005

Certificate Holder: Stott Industrial Supplies
1 Bell Street
WICKHAM NSW 2293

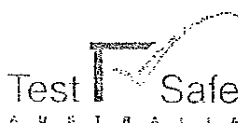
Electrical Equipment: Alignment Laser Type SLX-635P

Type of Protection: Ex ia

Marking Code: Ex ia IIB T4 Class I Zone 0
AUS Ex 3174X

Manufactured By: Stott Industrial Supplies
1 Bell Street
WICKHAM NSW 2293

Issued by:



919 Londonderry Road Londonderry NSW 2753
Phone: (02) 4724 4900 Fax: (02) 4729 9999

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SA

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

Administered by: Standards Australia Quality Assurance Services

This certificate is granted subject to the conditions as set out in Standards Australia Miscellaneous Publication MP 69 and the Procedures (Doc Q7134) of the scheme. Ex 3174X-1

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

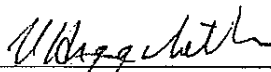
- AS 2380.1-1989 Electrical equipment for explosive atmospheres - Explosion-protection techniques - General requirements (incorporating Amendment 1)
- AS 2380.7-1987 Electrical Equipment for explosive atmospheres - Explosion-protection techniques - Intrinsic safety 'i'

This certificate does not ensure compliance with electrical safety requirements and performance other than those included in the Standard(s) listed above

The equipment listed has successfully met the examination and test requirements as recorded in

Test Report No: TestSafe 20026

File Reference: TestSafe 95/6906-TSA 0001


Signed for and on behalf of issuing authority
Technical Services Manager
TestSafe Australia

Position

4/8/2000

Date of issue

This certificate and schedule may not be reproduced except in full.

This certificate is not transferable and remains the property of Standards Australia Quality Assurance Services and must be returned in the event of its being revoked or not renewed.

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Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

Administered by: Standards Australia Quality Assurance Services

Schedule

Certificate No: AUS Ex 3174X Issue: 1 Date of Issue: 4/8/2000

Certified Equipment: The Alignment Laser Type SLX-635P consists of a brass enclosure incorporating an on-off switch, and houses two 1.5 Volt alkaline or Zinc Carbon cells, a class II semiconductor laser diode and a lens assembly

Conditions of Certification:

1. It is a condition of safe use that the apparatus be operated only from Duracell Type MN1500 1.5 Volt batteries or their equivalents.
2. It is a condition of safe use that the batteries shall not be removed nor replaced whilst the apparatus is located in a hazardous area.
3. It is a condition of safe use that the apparatus be operated in accordance with AS2211-1993.

Drawings Relating to Original Issue

Drawing No	Drawing Title	Issue	Date
SIS-SLX	Laser Alignment Unit	Original	1/3/95

Schedule of Variations

Variations Permitted by Issue 1:

1. A change to the Temperature Classification from T6 to T4.
2. Test report No. 20026 issued to form basis of this certificate.

Drawings Relating to Issue 1

Drawing No	Drawing Title	Issue	Date
SIS 0016	SIS/SLX-635P Laser Alignment Unit (Class 2) Schematic Diagram	0	6/10/99
SIS-SLX	Laser Alignment Unit	1	14/4/00

Issued by:



919 Londonderry Road Londonderry NSW 2753

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Reference

WORKCOVER AUTHORITY



List of Approval Recommendations

These recommendations are issued in accordance with the Coal Mines Regulation Act, 1982, in respect of the apparatus covered by the nominated Approval. A copy of these recommendations shall be supplied with the nominated Approval.

Approval No: MDA Exia 14094

File Number: C95/0212

Date of Issue: 29/4/1995

APPARATUS DESCRIPTION

The Alignment Laser Type SLX-365P consists of a brass enclosure incorporating an on-off switch, and houses two 1.5 Volt alkaline or zinc-carbon cells, a Class II semiconductor laser diode and a lens assembly.

APPLICABLE DRAWINGS

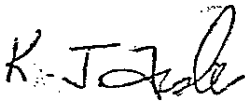
SIS-SLX Original dated 1st March, 1995

COMPLIANCE DOCUMENTS

1. Certificate of Conformity AUS Ex 3174X covering compliance with:
AS 2380.1-1989 Electrical Equipment for Explosive Atmospheres - Explosion-protection Techniques - General Requirements
AS 2380.7-1987 Electrical Equipment for Explosive Atmospheres - Explosion-protection Techniques - Intrinsic Safety i
2. Jatco (Australia) Pty Ltd Test Certificate SLX-635P-0001 dated 6th March, 1995 covering compliance as a Class II Laser Device.

CONDITIONS OF MANUFACTURE AND SAFE USE

1. It is a condition of safe use that the apparatus be operated only from Duracell Type MN1500 1.5 Volt batteries or their equivalents.
2. It is a condition of safe use that the batteries shall not be removed nor replaced whilst the apparatus is located in a hazardous area.
3. It is a condition of safe use that the apparatus be operated in accordance with AS 2211-1993.


K.J. Fisher
Accredited Assessing Authority (MDA-A2508)
Londonderry Occupational Safety Centre

1 INTRODUCTION

The Stott Industrial SiX-635P pocket laser provides highly visible laser output for alignment and levelling dimensions.

The System is versatile, robust, modular and simple to use.

The pocket laser has been designed and manufactured in Australia.

The pocket laser incorporates the most advanced visible semi-conductor laser technology with the laser output set to class II (< 1mw) limits to Australian and International laser safety standards.

2 LASER SAFETY

Laser radiation consists of monochromatic and unidirectional radiation. The S.I.S pocket laser level has laser emission which has been controlled to safe limits. According to international laser safety guidelines, the output of this laser cannot cause temporary or permanent eye or skin damage.

As a general rule the laser should not be used at eye height or against highly reflective surfaces excepting international aiming targets. The laser should be operated with co-workers safety in mind.

The pocket laser system should not be viewed along the laser axis under any circumstances through an optical instrument.

This product is manufactured to Australian Standards AS-2211-1993 for Laser Safety, AS-2397-1980 for Safe Use of Lasers in the Construction Industry and AS-1983-1977/AS-2054-1977 for Spirit Levels and Vials.