

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

Administered by: Standards Australia Quality Assurance Services

Certificate of Conformity

Certificate No.: **Ex 2563U** Issue 0: **24 December 2002** Original Issue

Date of expiry: **24 December 2012**

Certificate Holder: **Pempek Systems Pty Ltd**
Unit 3, 13 Hoyle Avenue
CASTLE HILL NSW 2154

Electrical Equipment: **L0LG Hockey Puck Antenna Assembly**

Type of Protection and Marking Code: **Ex d I IP66**
AUS Ex 2563U

Manufactured by: **Pempek Systems Pty Ltd**
Unit 3, 13 Hoyle Avenue
CASTLE HILL NSW 2154

Issued by:



Engineering, Testing and Certification Centre

2 Smith Street, REDBANK, QLD 4301, Australia
Postal Address: PO Box 467, GOODNA, QLD 4300, Australia
Phone: + 61 7 3810 6381 Fax: + 61 7 3810 6366



Quality System Certified to
AS/NZS ISO 9001
Certification No 6039

STANDARDS AUSTRALIA



Standards Australia Quality Assurance Services Pty Limited A.B.N. 67 050 611 642

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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.

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:

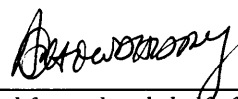
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|-------------------------|--|
| AS 2380.1 - 1989 | Electrical equipment for explosive atmospheres - Explosion-protection techniques - Part 1 : General requirements (Amdt 1, 5 September 1998) |
| AS 2380.2 - 1991 | Electrical equipment for explosive atmospheres - Explosion-protection techniques - Part 2 : Flameproof enclosure d (Amdt 1, 13 July 1992) |

This certificate does not ensure compliance with electrical safety and performance requirements other than those included in the standards listed above.

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

Test Report No: NE02/0017

File Reference: 02/0087



Signed for and on behalf of issuing authority

**A/Senior Engineer - Certification
Engineering, Testing and Certification Centre**

Position

24 December 2002

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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Schedule

Equipment:

The L0LG Hockey Puck Antenna Assembly consists of a machined brass base with the external antenna element encased in a moulded Cammpol polyurethane covering. A BNC connector is fitted to the brass base for connection to the antenna. The brass base is fitted with an 'O' ring.

The antenna assembly is intended for fitting in a 76mm hole of a separately certified flameproof enclosure and is bolted to the enclosure by four M10 fasteners.

Drawings:

DRAWING NO.	DRAWING TITLE	REVISION NO.	DRAWN/ REVISION DATE
M0LG04	76mm SLIP-RING ANTENNA PUCK SLIP-RING BASE	03	12.12.02
L0LG02	SLIP-RING ANTENNA PUCK	03	12.12.02

Additional Information:

Routine pressure testing shall be carried out on the L0LG Hockey Puck Antenna Assembly at not less than 1000kPa.

The antenna is intended for use with a separately certified flameproof (Ex d) enclosure. The temperature rise of the antenna is to be assessed as part of the Ex d enclosure. The enclosure shall not, in a 40°C ambient, cause the polyurethane covering of the L0LG Hockey Puck Antenna Assembly to exceed 100°C.

The antenna provides a degree of protection of IP66 only when fitted on a flat mating surface.

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