

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

Administered by: Standards Australia Quality Assurance Services

Certificate of Conformity

Certificate No.: **Ex 2494X** Issue 0: **22 December 2000** Original Issue

Date of expiry: **22 December 2010**

Certificate Holder: **MEDC**
Colliery Road
PINXTON NOTTINGHAM
NG16 6JF UK

Electrical Equipment: **Beacon Type XB12**

Type of Protection and Marking Code: **Ex d IIB T4 (T_{AMB} = -55°C to +55°C)**
T5 (T_{AMB} = -55°C to +40°C)
AUS Ex 2494X

Manufactured by: **MEDC**

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.C.N 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:

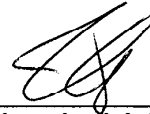
AS 2380.1 - 1989	Electrical equipment for explosive atmospheres - Explosion-protection techniques - Part 1 : General requirements (Amdt 1, 5 September 1998)
AS 2380.2 - 1991	Electrical equipment for explosive atmospheres - Explosion-protection techniques - Part 2 : Flameproof enclosure d (Amdt 1, 13 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: NE00/0028

File Reference: 00/0088 (P80888)



Signed for and on behalf of issuing authority

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

Position

22 December 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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Schedule

Equipment:

The Type XB12 Beacon is rated at 12VDC and up to 240VAC with a maximum power dissipation of 50W and comprises a cylindrical enclosure and a bolted retaining ring manufactured from glass reinforced polyester. The retaining ring has a borosilicate well glass cemented into the centre of the retaining ring and is retained by a circlip. Threaded entries are provided in the side wall of the enclosure for the fitting of separately certified flameproof cable glands or blanking plugs.

The interior of the enclosure houses a PCB, a Xenon tube and control electronics mounted on pillars from the cover with connection made via a 6 way terminal block.

Drawings:

DRAWING NO.	DRAWING TITLE	REVISION NO.	DRAWN/ REVISION DATE
226-163	CERTIFICATION G.A. XB12 XENON BEACON	B	09/11/00
226-164	XB12 CERTIFICATION DETAILS ALTERNATIVE COVER FIXING + CERTIFICATION LABEL DETAILS	B	10-11-00

Conditions of Certification:

Cable selection shall be in accordance with Table 1.

TABLE 1 - CABLE TEMPERATURE RATINGS

MAX. AMBIENT TEMPERATURE	POWER DISSIPATION	CABLE TEMPERATURE RATING
40°C	Up to 39W	75°C
	39W to 50W	90°C
55°C	Up to 19W	75°C
	19W to 39W	90°C
	39W to 50W	105°C

Additional Information:

Routine pressure testing shall be carried out on the Type XB12 Beacon at not less than 1313kPa.

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