

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

Administered by: Standards Australia Quality Assurance Services

Certificate of Conformity

Certificate No.: **Ex 2493X** Issue 0: **19 April 2001** Original Issue

Date of expiry: **19 April 2011**

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

Electrical Equipment: **Beacon Type XB11**

Type of Protection and Marking Code: **Ex d IIB T5 (T_{AMB} = -55°C to +55°C)**
T6 (T_{AMB} = -55°C to +40°C)
AUS Ex 2493X

Manufactured by: **MEDC**

Revised page 1 of 3 - 24 May 2001

Issued by:



Engineering, Testing and Certification Centre

2 Smith Street, REDBANK, QLD 4301, Australia
Postal Address: PO Box 467, GOODNA, QLD 4300, Australia
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Quality System Certified to
AS/NZS ISO 9001
Certification No 6039

STANDARDS AUSTRALIA



Standards Australia Quality Assurance Services Pty Limited A.C.N. 050 511 642

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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: NE00/0025

File Reference: 00/0087 (P80887)



Signed for and on behalf of issuing authority

**Manager
Engineering, Testing and Certification Centre**

Position

19 April 2001

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 XB11 Beacon is rated 12VDC to 48VDC and up to 240VAC with a maximum power dissipation of 13.5W 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 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
225-181	CERTIFICATION G.A. XB11 XENON BEACON	C	09/03/01
225-182	XB11 CERTIFICATION DETAILS ALTERNATIVE COVER FIXING + CERTIFICATION LABEL DETAILS	C	27-02-01

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 13W	75°C
	13W to 13.5W	90°C
55°C	Up to 6.5W	75°C
	6.5W to 13.5W	90°C

Additional Information:

Routine pressure testing shall be conducted at a pressure not less than 1240kPa.

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