



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 14ATEX1107U** Issue: **0**

4 Component: **XDA & XDS Flameproof Temperature Transmitter Housings**

5 Applicant: **Yung Chan Metal Industry Company Limited**

6 Address: No 30 Keji 1st Road
Tainan Technology Industrial Park
Tainan City 709
Taiwan

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2006 EN 60079-1:2004 EN 61241-0:2006 EN 61241-1:2004

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:



II 2G D
Ex d IIC T6
Ex tD A21 T100°C IP66 and or IP68

A C Smith
Certification Manager

Project Number 70006501

This certificate and its schedules may only be reproduced in its entirety and without change.



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 14ATEX1107U
Issue 0

13 DESCRIPTION OF COMPONENT

The equipment is a temperature transmitter housing manufactured from either stainless steel or aluminium alloy, where the model designation determines which material is used, i.e. XDA = Aluminium Alloy & XDS = Stainless Steel.

The equipment is considered a component, and as such bears a symbol 'U' after the certificate reference. The equipment must be re-certified for Apparatus after appropriate evaluation the to the listed standards on page 1 of this certificate to ensure continued compliance with the flameproof and dust exclusion requirements.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 May 2014	R70006501A	The release of the prime Sira certificate.

15 SPECIAL CONDITIONS FOR SAFE USE

- 15.1 Cables for entry into the device must be rated to at least 85°C.
- 15.2 XDA & XDS considered a component enclosure and must be re-certified as apparatus only after evaluation of weld methods for flameproof collar assembly.
- 15.3 Temperature rise testing conducted considering maximum power dissipation within the unit. Equipment, components or connection within the unit must not dissipate more than 10 W.
- 15.4 IP68 rating was tested at 1m depth (pressure of 0.1 bar) for a duration period of 1 hour.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.