

**Australian/New Zealand  
Certification Scheme for**

**EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT**

**ANZEx Scheme**

***Certificate of Conformity***

Certificate No.: <b>ANZEx 01.4076X</b>	Issue No.: <b>1</b>	Date of Issue: <b>11 May 2010</b>
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**Certificate Holder:** **Benney Transfer Technology**  
Proprietor: WIKA Australia Pty Ltd  
59 McMillan Road  
Echuca Victoria 3564  
Australia



**Electrical Apparatus:** Benney Flameproof Thermocouple/RTD Head  
Model MTHBE00580

**Type of Protection:** Ex d

**Marking Code:** Ex d IIC T6 IP66/IP67  
ANZEx 01.4076X

**Manufacturing Location(s):**  
59 McMillan Road  
Echuca Victoria 3564  
Australia

This certificate and schedule shall not be reproduced except in full

 <p>ABN 06 098 886 563</p>	<p>Certificate issued by</p> <p><b><i>ITACS Pty. Ltd.</i></b> <b><i>4-6 Second Street SA 5007 Australia</i></b> <b><i>PO Box 300 Hindmarsh SA 5007 Australia</i></b> <b><i>Phone: +61 8 8346 8680 Fax: +61 8 8346 7072</i></b> <b><i>Email: itacs@itacslab.com</i></b></p>	 <p>Accreditation by the Joint Accreditation System of Australia and New Zealand Acc No. Z2870404AA <a href="http://www.jas-anz.com.au/register">www.jas-anz.com.au/register</a></p>
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*This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand Miscellaneous Publication **MP87 Part 1**.*

**STANDARDS:**

*The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:*

- |                                     |   |
|-------------------------------------|---|
| IEC 60079-0 3 <sup>rd</sup> Ed 1998 | Electrical apparatus for explosive gas atmospheres<br>Part 0: - General requirements  |
| IEC 60079-1 3 <sup>rd</sup> Ed 1990 | Electrical apparatus for explosive gas atmospheres<br>Part 1: - Construction and verification test of flameproof enclosures of electrical apparatus |

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above. Attention is drawn to the fact that the above Standards have been superseded.*

**TEST & ASSESSMENT REPORTS:**

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

Test Report No. and Issuing Body: **ITACS 1752A+B and Technical Assessment TO 4696**  
Quality Assessment Report No. and Issuing Body: **IECEX AU/ITA/QAR09.0002/00 issued by ITACS**

File Reference: **ANZ Ex 01.4076X**



*Signed for and on behalf of issuing body*

Certification Authority

*Position*

11 May 2010

*Date of Issue*

This certificate and schedule shall not be reproduced except in full  
This certificate is not transferable and remains the property of the issuing body  
and must be returned in the event of it being revoked or not renewed.

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**Schedule**

**EQUIPMENT:**

The **Benney Ex d Thermocouple/RTD Head Assembly** is a hemi-spherical explosion proof enclosure constructed of stainless steel. Furthermore the Assembly consists of an internal terminal mounting platform to accommodate standard terminal blocks (TTB-K3WL) or the TCL and SEM205/P transmitters.

A Thermocouple/RTD sensor probe is screwed into the Assembly via the ½” or ¾” NPT threads and the transmitter/terminal block power supply leads and output leads are fed through an Ex cable gland

**VARIATIONS COVERED BY ISSUE 1**

Change certificate holders name

**CONDITIONS OF CERTIFICATION:**

**The following conditions apply:**

1. That the user complies with the manufacturer’s operating instructions
2. The Thermocouple / RTD Head Assembly must be used with SELV safety isolating transformer power supply. (The unit is not provided with facilities for an earth connection).
3. The Thermocouple / RTD Head Assembly shall be used with an appropriately certified Ex d IIC IP66 / IP67 cable gland.
4. The O-ring must be provided between the lid and the body to maintain the IP 66/67 rating.
5. The sensor connected to the NPT thread of the unit must be a suitably certified Ex component, complying with at least a 10.57Bar overpressure test requirement.

**It is a condition of Manufacture that the:**

1. Production units must pass the routine overpressure test at least to 10.57Bar.

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**DRAWINGS:**

<b>Drawing Schedule</b>		
Description - Benney Ex d Thermocouple / RTD Head	Issue	Date
BE00580	E	24/10/08
BE005801	F	24/11/08
BE005802	D	19/07/01
BE005803	C	19/07/01
BE005804	E	24/11/08
BE005805	E	24/11/08
BE005806	E	24/11/08