



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX TSA 09.0053X** issue No.: **1**
Status: **Current**
Date of Issue: **2011-09-23** Page 1 of 4

Certificate history:
Issue No. 1 (2011-9-23)
Issue No. 0 (2009-12-3)

Applicant: **Compac Industries Ltd**
52 Wall Road, Penrose
Auckland 1061
New Zealand

Electrical Apparatus: **C4000 Dispenser Control Unit**
Optional accessory:

Type of Protection: **Ex ib**

Marking: **Compac Industries**
C4000 Microprocessor Unit CI140
Ex ib IIA T4 Gb (-40 C < Ta < 80 C)
S. No. ...

Approved for issue on behalf of the IECEx Certification Body: **Ujen Singh**

Position: **Quality & Certification Manager**

Signature:
(for printed version)

Date:

23 SEPTEMBER 2011.

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Manufacturer: **Compac Industries Ltd**
52 Wall Road, Penrose
Auckland 1061
New Zealand

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

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 : 2004 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition: 4.0

IEC 60079-11 : 2006 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 5

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report
AU/TSA/ExTR09.0013/00

AU/TSA/ExTR11.0052/00

Quality Assessment Report:

AU/TSA/QAR08.0008/02



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The C4000 Microprocessor System (Schematic CI140) is the main component of the C4000 Dispenser control Unit. It is connected to the C4000 IS Power supply which is in a separately certified (IECEx TSA 08.0044X) flame proof enclosure, through J2A and J2B terminals. The Printer power supply (CI125) also situated in the separately certified flame proof box or in non-hazardous area as per enclosure drawing AP302-04. It is connected to the C4000 Microprocessor System via J14 terminal. The Microprocessor System can be mounted in two different enclosures SW052-14 or Box AP238 as per block diagram AP300.

There are two revisions (Issue E and F) of drawings of CI177 KG meter are included in this certificate.

The CI170 Generic Display board also has two revisions, schematic Issue A and D, PCB issue B and D are included in this certificate.

CONDITIONS OF CERTIFICATION: YES as shown below:

Refer annexe for the conditions of certification and the list of drawings.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Details of certificate changes are explained in the annexe attached.