

1 **EC TYPE EXAMINATION CERTIFICATE**

2 Equipment or protective system intended for use in potentially explosive atmospheres –
Directive 94/9/EC – Annex III

3 EC Type Examination **TRL06ATEX11104X (incorporating variation V5)**
Certificate No.:

4 Equipment: **PROXIPEN – 2 – ATEX MK II**

5 Manufacturer: **G4S Technology Limited**

6 Address: **Challenge House, International Drive, Tewkesbury, Gloucestershire,
GL20 8UQ, United Kingdom**

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

8 TRaC EMC & Safety Ltd, Notified Body number 0891 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system 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 **XU1359/7312 issue 2, XU1466/7488, XU1661/8740, 16-0089-006370 and TES-002589-16-00.**

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in section 18 of the schedule to this certificate, has been assured by compliance with:

EN50014:1997/A2:1999 EN50020:2002 EN60079-26:2004
PD CLC/TR 50427:2004

10 If the sign "X" is placed after the certificate number then this indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

11 This EC-Type Examination certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of this equipment or protective system shall include the following:

 **II 1 G EEx ia IIC T4**

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the TRaC Ex Certification Scheme.

S.P. Winsor

S P Winsor, Certification Liaison Officer

Issue date: 2011-04-21

Copy No.: 1e

Page 1 of 4

Form RF355 is14A

13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRL06ATEX11104X (incorporating variation V5)**

15 **General description of equipment or protective system included within the scope of this certificate**

The Proxipen-2-ATEX MK II is a handheld battery powered RFID reader / data collector intended for use as a guard tour logger. To make a reading, the antenna end of the unit is put in close proximity (< 18mm) to the RFID tag (e.g. wall mounted). To download the data stored within the PROXIPEN unit (e.g. at the end of the guard tour), the unit is placed into a reader unit which has a RS232 serial interface to connect to a PC COM port.

The battery is an AA size 1.5V zinc carbon primary cell. The battery compartment has been arranged so that a special tool is required to open it. The electronics are encapsulated in epoxy resin and are encased in a conductive plastic housing, which is glued together.

A list of controlled Manufacturer's Documents is given in Appendix A to this schedule.

16 **Test report No.:** XU1359/7312 issue 2, XU1466/7488, XU1661/8740, 16-0089-006370 and TES-002589-16-00.

17 **Special conditions for safe use**

1. Batteries must not be changed within the hazardous environment.
2. Only a GCS certified power pack should be installed into the unit. Certified Power Pack: GP Batteries, Green Cell #GP15G

18 **Essential health and safety requirements**

Covered by application of the standards listed in section 9 of this certificate and the assessment conducted in the test report listed in section 16 of this certificate.

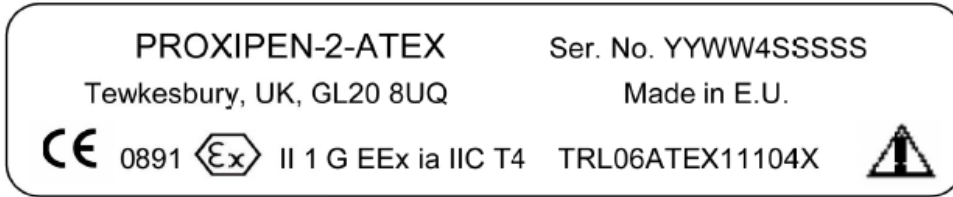
19 **Additional information (including special conditions for manufacture)**

1. Ensure epoxy resin encapsulation of the PCB and components is 1mm or deeper, in accordance with document 61000516, PROXIPEN-2-ATEX Potting and Assembly Process, and to good working practices.

Photographs



Details of markings



Details of variations to this certificate

This certificate is a consolidated certificate and reflects the latest status of the certification, including the following variations:

- Variation V1 - This variation covers changes in the MKII electronic circuit. And in particular the addition of a bidirectional transient voltage suppressor across the piezo buzzer to limit the voltage transients in the case of impact. This enables the units with the buzzer to be used in a IIC environment.
- Variation V2 - This variation covers a minor variation to the drawing set - 608000158 contact spring is now revision G.
- Variation V3 – This variation covers a minor technical change to the drawing set – 608000164 thread extension material changed from aluminium to stainless steel.
- Variation V4 – Change of scheduled drawings and withdrawal of PROXIPEN - 2 - ATEX.
- Variation V5 – Update of company name and scheduled drawings. Non critical drawings removed from certificate.

Notes to CE marking

In respect of CE Marking, TRaC EMC & Safety Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

Notes to this certificate

TRaC certification reference: **TES-002589-15-00**

Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

This certificate is a consolidated certificate and reflects the latest status of the certification, including all variations.

CONTINUATION OF SCHEDULE TO CERTIFICATE TRL06ATEX11104X V5

APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
PROXIPEN -2 ATEX Product Marking	62200039	0200	2009-10-23
PROXIPEN-2-ATEX Potting and Assembly Process	61000516	0200	2010-06-18
PROXIPEN ATEX PTH PCB ASSY	BOM 7000-5342	1.1.2CN11725	2008-12-10
PROXIPEN -2 MK II PCB	4000-4650	1	2006-09-25
PROXIPEN MK II ATEX IF PCB	4000-4697	1	2006-11-03
PROXIPEN-2-ATEX MK II schematic	7200-5333	1.1	2007-03-06
PROXIPEN ATEX I/F schematic	7200-5341	1	2006-11-03
BOTTOM MOULDING	608000155	B	2006-06-09
TOP MOULDING	608000156	B	2006-06-12
FRONT COVER	608000157	B	2006-06-09
PROXIPEN ATEX SMD PCB ASSY.	BOM 7000-8333	1CN9958	2006-11-27
PROXIPEN ATEX I/F SMD PCB ASSY	BOM 7000-8341	X1.0.1CN10142	2007-02-13
USER MANUAL "PROXIPEN-2-ATEX"	9600-0457	1.0.2	*

* no information supplied

