



- EU-TYPE EXAMINATION CERTIFICATE**
- Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**
- EU-Type Examination Certificate Number: ITS17ATEX102405X**
- Product:** Sentry Card Reader
- Manufacturer:** Advanced Sys-tek Pvt. Ltd. (Baker Hughes, a GE Company)
- Address:** 299-300, GIDC Makarpura Vadodara - 390010 Gujarat, India
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report Ref No. CE-JOB-DEL-13-000058-010 to 013 and Intertek UK Certification report no. G101148201 C dated July 2017.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11 2013, EN 60079-1:2014 and EN 60079-31:2014 except in respect of those requirements referred to at item 16 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Safe Use specified in the Schedule to this certificate.
- This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:



II 2 GD

Ex db IIB T6 Gb

Ex tb IIIB T85°C Db IP65

-20°C ≤ Ta ≤ +60°C

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370977
www.intertek.com

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

V K Varma
Certification Officer
08th Sept 2017



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS17ATEX102405X

13. Description of Equipment or Protective System

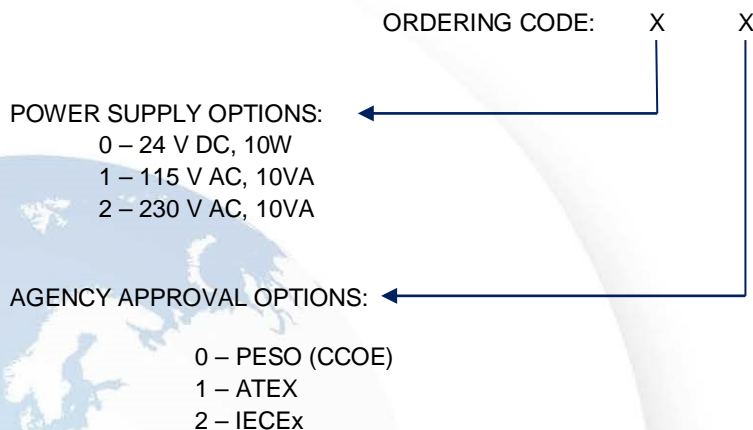
The Sentry card reader is designed to restrict an access control of unauthorized person or a vehicle in harsh and hazardous area. It can be configured to read a proximity card & communicates with a host computer over a serial communication bus.

The Sentry card reader comprises the electronics require to read the serial number of proximity cards & transmits them to a host computer or other processor based equipment. Proximity Card is a non-contact technology where a card is read by passing it within a few centimeters of a glass window on the front of Sentry.

The Card reader communicates over dual RS-422 or RS-485 serial ports. Each Sentry can be assigned to its own address. To allow multi-drop operation, whereby up to 64 Sentry can be chained together and connected to a single control port on the host. The device can also be connected in point to point mode with the host. For maximum flexibility and ease of use, all communication between the Sentry and its host are ASCII, and are derived from the VT-100 standard. Command Escape Sequences are a sub-set of those used by the Mercury terminal.

Explanation on order coding and model nomenclature:

MODEL: SENTRY CARD READER



14. Report Number

Intertek UK Certification Report No. G101148201 C.

Intertek India Report Reference No. CE-JOB-DEL-13-000058-010 to 013 dated July 2017.

15. Special Conditions of Certification

(a). Specific Conditions of Safe Use

1. Only suitably rated and Ex certified cable glands, blanking elements and thread adapter to be used referring to the equipment marking.
2. Each entry shall have no more than one thread adapter. A blanking element shall not be used with thread adapter.
3. Enclosures are to be installed in vertical position only.

EU-Type Examination Certificate



Valued Quality. Delivered.

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS17ATEX102405X

(b). Conditions of Manufacture - Routine Tests

A routine overpressure test in accordance with EN 60079-1:2014 Clause 15.2.3 shall be carried out by the manufacturer on each Sentry Card reader at a pressure of 10.5 bar/152.3 PSI for a period of 60 seconds and test results must be recorded. The overpressure test shall be considered satisfactory if no permanent deformation or damage invalidating the type of protection observed, the joints shall in no place have been permanently enlarged and no leakage through the walls of the enclosure observed.

16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref No. CE-JOB-DEL-13-000058-010 to 013 and Intertek UK Certification Report No. G101148201 C dated July 2017.

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Flameproof Housing of Sentry Card Reader	MFG Ex/1440801	0	24/07/2017
Name Plate of Ex approved Sentry Card Reader	MFG Ex/1440901	0	08/07/2017
Connection Diagram of Sentry Card Reader with Terminal Server	MFG Ex/1440212	0	20/04/2017
Connection Diagram of Sentry Card Reader with Two Smart Load Batch Controller	MFG Ex/1440210	0	20/04/2017

This Certificate is the property of Intertek Testing and Certification Ltd and is subject to Intertek Testing and Certification's Conditions for Granting Certification

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.