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 ITS 17.0043X

Issue No: 0

Certificate history:
Issue No. 0 (2017-09-08)

Status: **Current**

Date of Issue: **2017-09-08**

Applicant: **Advanced Sys-tek Pvt. Ltd. (Baker Hughes, a GE Company)**
299-300, GIDC Makarpura Vadodara - 390010 Gujarat, India
India

Equipment: **Sentry Card reader**
Optional accessory:

Type of Protection: **Flameproof & Dust Protected Enclosures**

Marking:

Ex db IIB T6 Gb

Ex tb IIIB T85 ºC Db IP65

-20°C ≤ Ta ≤ + 60°C

Approved for issue on behalf of the IECEx Certification Body: V K Varma

Position: Certifcation Officer

Signature:
(for printed version)

Date:

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.

Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom

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Manufacturer: **Advanced Sys-tek Pvt. Ltd. (Baker Hughes, a GE Company)**
299-300, GIDC Makarpura Vadodara - 390010 Gujarat, India
India

Additional 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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:

GB/ITS/ExTR17.0033/00

Quality Assessment Report:

GB/ITS/QAR13.0007/02

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 required 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 card reader can be assigned to its own address. To allow multi-drop operation, whereby up to 64 Sentry card readers 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 card reader 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.

MODEL: **SENTRY CARD READER**

POWER SUPPLY OPTIONS:

0 – 24 V DC, 10W

1 – 115 V AC, 10VA

2 – 230 V AC, 10VA

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.