IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx EXV 21.0082X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2022-01-17

Applicant: **HID Global Corporation**
Impro Technologies Pty(Ltd) (a HID owned company)
47B Gillits Road
Westmead KZN 3610
South Africa

Equipment: **INTAG Passive RFID Tag PN 62918X-012-EX & PN 63918X-012-EX**

Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i"**

Marking: Ex ia IIC T6 Ga

Ex ia IIIC T85°C Da

Ex ia I Ma

Ta = -60 °C to +75 °C

Approved for issue on behalf of the IECEx Certification Body: **Sean Clarke CEng MSc MIET**

Position: **Certification Manager**

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 www.iecex.com or use of this QR Code.

Certificate issued by:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom

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Certificate No.: **IECEx EXV 21.0082X**

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Manufacturer: **HID Global Corporation**
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Additional manufacturing locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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/EXV/ExTR21.0102/00

Quality Assessment Report:

GB/EXV/QAR20.0012/00

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

PN 62918X-012-EX & PN 63918X-012-EX, refer to Annex for more details.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The enclosure of the device is made from non-metallic materials that under certain conditions may accumulate ignition-capable electrostatic charges. It shall not be installed where the external conditions are conducive to the build-up of electrostatic charges. Additionally, the equipment may only be cleaned with a damp cloth.
2. When installed and/or used in the hazardous area, the tag may only be used with an RFID reader which is suitably approved to the explosive atmosphere standards.

Annexes:

IECEx Certificate Annex.pdf
IECEx Certificate Annex_1.pdf

Description Continued:

The INTAG 200/300/500 HF EX is a passive RFID tag which is intended for fixed installation onto devices for asset identification in hazardous areas. It is used to mark devices with their electronic data for tracking and identification purposes. A suitably approved RFID reader is used to scan the device when situated within a hazardous environment. When placed onto the asset, the tag itself may exist in mines susceptible to firedamp, hazardous gas, or conductive dust atmospheres. The device will encounter ambient temperatures between -60°C to +75°C when in operation with no external sources of heating or cooling.

There are six part numbers for the tag. The only difference between each part is the diameter of the tag and manufacturer of integrated circuit, all other aspects remain identical. These aspects do not affect the type of protection.

Name	Diameter	Full Part Number	Processor
INTAG 200	20 mm	PN 629182-012-EX	NXP ICODE SLIX2
		PN 634182-012-EX	FUJITSU FRAM 2KBYES
INTAG 300	30 mm	PN 629183-012-EX	NXP ICODE SLIX2
		PN 634183-012-EX	FUJITSU FRAM 2KBYES
INTAG 500	50 mm	PN 629185-012-EX	NXP ICODE SLIX2
		PN 634185-012-EX	FUJITSU FRAM 2KBYES

Routine Tests:

1. None.

Manufacturer's documents:

Title:	Drawing No.:	Rev	Date:
Material Data Sheet Vitrobond HEM 495	PC/PT495/07/02/2005	Jan 2005	07/02/2005
INTAG 200 HF ICODE SLIX2 BLACK EX	ASD-04031	A	10-12-2021
INTAG 300 HF ICODE SLIX2 BLACK EX	ASD-04032	A	10-12-2021
INTAG 500 HF ICODE SLIX2 BLACK EX	ASD-04033	A	10-12-2021
INTAG 200 HF F-MEM 2KBYTES BLACK EX	ASD-04034	A	10-12-2021
INTAG 300 HF F-MEM 2KBYTES BLACK EX	ASD-04035	A	10-12-2021
INTAG 500 HF F-MEM 2KBYTES BLACK EX	ASD-04036	A	10-12-2021
Bill of materials	EDS-00219	A	24-NOV-2021
Grivory HT1V-5 FWA black9225 Datasheet	EMS TDS	Jan 2006	Jan 2006
INSTALLATION GUIDE	PLT-06324	A	2021-12-13

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