

1 **UNITED KINGDOM CONFORMITY ASSESSMENT**
2 **UK TYPE EXAMINATION CERTIFICATE**

3 **Product Intended for use in Potentially Explosive Atmospheres**
4 **UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

5 Type Examination Certificate Number: Ex Veritas 21UKEX1103X Issue: 0
6 Product: INTAG Passive RFID Tag.
PN 62918X-012-EX & PN 63918X-012-EX
7 Manufacturer: HID Global Corporation
8 Address: 47B Gillitts Road, Westmead, Durban KZN, 3610, South Africa

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

10 ExVeritas Limited Approved Body number 2585, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this 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 Schedule 1 of the Regulations.

11 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:


EN IEC 60079-0: 2018

Except in respect of those requirements listed at section 16 of the schedule to this certificate.

12 If the sign “X” is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

13 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

14 The marking of the equipment shall include the following:

 II 1G Ex ia IIC T6 Ga
II 1D Ex ia IIIC T85°C Da
I M1 Ex ia I Ma
Ta = -60 °C to +75 °C



No. 8613

On behalf of ExVeritas



S Clarke CEng MSc FIET
Managing Director

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The status of this certificate can be verified at www.exveritas.com

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ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

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Schedule

13 Description of Product

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 2KBYTES
INTAG 300	30 mm	PN 629183-012-EX	NXP ICODE SLIX2
		PN 634183-012-EX	FUJITSU FRAM 2KBYTES
INTAG 500	50 mm	PN 629185-012-EX	NXP ICODE SLIX2
		PN 634185-012-EX	FUJITSU FRAM 2KBYTES

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3674/A/1	17/01/2022	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Title	Drawing Number	Revision	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

15 Specific Conditions of Use

15.1 Special Conditions for Safe Use

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.

15.2 Conditions for Use (Routine tests)

- None.

Certificate: **ExVeritas 21UKEX1103X**

Issue **0**

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Schedule

16 Essential Health and Safety Requirements (Regulations Schedule 1)

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1 The manufacturer shall inform ExVeritas of any modifications to the design of the product described by this schedule.