

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: **ExVeritas 22UKEX1205X** Issue: **0**
6 Product: PolyTag 340 HF & LF
7 Manufacturer: HID Global Corporation.
8 Address: Impro Technologies Pty(Ltd) (a HID owned company), 47B Gillitts Road,
9 Westmead, Durban, 3610, South Africa

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

11 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.

12 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0: 2018 EN 60079-11: 2012

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

10 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.

11 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.

12 The marking of the equipment shall include the following:



I M1 Ex ia I Ma
II 1 G Ex ia IIC T6 Ga
II 1 D Ex ia IIIC T₂₀₀ 85°C Da
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

For help or assistance relating to this certificate, contact info@exveritas.com.

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

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Schedule

13 Description of Product

The PolyTag 340 HF & LF is a passive RFID tag which is intended to be applied onto a workpiece pipe for asset identification. The tag is powered in hazardous areas using a suitably approved RFID "reader" device and is intended for static installation. When installed the tag itself may operate in mines susceptible to firedamp or hazardous gas or dust atmospheres and is therefore approved for IECEx EPL Ga, Da and Ma and ATEX Category 1G, 1D and M1, Equipment Group I / IIC / IIIC. There are two types of PolyTag 340 available which are differentiated using the following part numbers.

Part number	Frequency	Processor
629131-0XX-EX	13.56 MHz	SLIX2
601131-0XX-EX	125 kHz	EM4200

Note: These options do not change the safety evaluation. The device is also available in a range of colours, this also does not affect the type of protection.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3890/A/1	04/04/2022	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Title	Drawing Number	Revision	Date
629131-0XX-EX General assembly	ASD-01939	C	21/03/2022
629131-0XX-EX Bill of materials	EDS-00185	A	27/07/2021
629131-0XX-EX User manual	PLT-05573	B	-
629131-0XX-EX Installation guide	PLT-06114	B	-
629131-0XX-EX Product specification	PSS-00374	B	24/03/2022
629131-0XX-EX Schematic	SCH-00373	A	27/07/2021
601131-0XX-EX General assembly	ASD-04213	A	24/03/2022
601131-0XX-EX Bill of materials	EDS-00238	A	22/03/2022
601131-0XX-EX User manual	PLT-06514	A	-
601131-0XX-EX Installation guide	PLT-06515	A	24/03/2022
601131-0XX-EX Product specification	PSS-00646	A	21/03/2022
601131-0XX-EX Schematic	SCH-00452	A	22/03/2022

15 Specific Conditions of Use

15.1 Special Conditions for Safe Use

- 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.
- 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 Routine tests

- None

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.

Certificate: **ExVeritas 22UKEX1205X**

Issue **0**

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