



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 22.0013X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2022-04-04

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

Equipment: **PolyTag 340 HF & LF**

Optional accessory:

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

Marking: Ex ia I Ma
Ex ia IIC T6 Ga
Ex ia IIIC T₂₀₀ 85°C Da
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:
(for printed version)

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





IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 22.0013X**

Page 2 of 3

Date of issue: 2022-04-04

Issue No: 0

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

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

HID Global Malaysia Sdn. Bhd.
Main Building:
No. 2 Jalan i-Park 1/1,
Kawasan Perindustrian i-Park,
Bandar Indahpura,
81000 Kulai,
Johor Darul Takzim
Malaysia

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/ExTR22.0029/00](#)

Quality Assessment Report:

[GB/EXV/QAR20.0012/01](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 22.0013X**

Page 3 of 3

Date of issue: 2022-04-04

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

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.

Annex:

[IECEX Certificate Annex.pdf](#)

Description Continued

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.

Routine Tests:

1. None.

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