

1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 22ATEX1204X Issue: 0

4 Equipment: PolyTag 340 HF & LF

5 Manufacturer: HID Global Corporation.

6 Address: Impro Technologies Pty(Ltd) (a HID owned company), 47B Gillitts Road, Westmead, Durban, 3610, South Africa

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN IEC 60079-0: 2018

EN 60079-11: 2012

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 EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. 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

On behalf of ExVeritas



Peter Lauritzen
Managing Director

Schedule

13 Description of Equipment or Protective System

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 No.:	Rev. Level:	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 Conditions of Certification

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 Conditions for Use (Routine tests)

- None

16 Essential Health and Safety Requirements

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 the Notified Body of any modifications to the design of the product described by this schedule.

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Issue 0

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