



[1]

TYPE EXAMINATION CERTIFICATE

[2] **Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU**

[3] Certificate Number: **EPTI 26 ATEX 0487 X** **issue 0**

[4] Equipment: Externally Powered LoRaWAN® Endpoint for Continuous Monitoring
Model: VoBo XP-HL

[5] Manufacturer: **VOLLEY BOAST, LLC**

[6] Address: 2000 North Loop West Suite 120, Houston, TX 77018, UNITED STATES OF AMERICA

[7] This equipment and its accepted variations are specified in the annex to this Certificate.

[8] Eurofins Product Testing Italy S.r.l. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential Report N° EPT.26.REL.02/135712-2613067.

[9] Compliance with the essential health and safety is assured through the verification of them and by compliance with the harmonized standard:

EN IEC 60079-0: 2018, EN IEC 60079-7:2015+A1:2018, EN 60079-15:2010, EN60079-31:2014

and with the standards

EN IEC 60079-15:2019, EN IEC 60079-31:2022

[10] If the sign "X" is placed after the Certificate number the equipment is subjected to special conditions for safe use specified in the annex to this Certificate.

[11] This TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the equipment specified. Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12] The equipment shall include the sign  and the following string:

II 3G Ex ec nC IIC T4 Gc

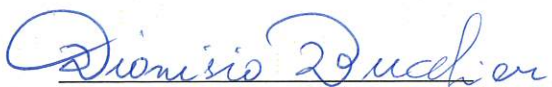
-40° C ≤ Ta ≤ +80° C

II 3D Ex tc IIIC T135°C Dc

Place and date of issue:

(DD-MM-YYYY)

Torino, 03-08-2026



Dionisio Bucchieri
Directive Responsible



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**ANNEX
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[15] Equipment description

The VoBo XP-HL is an externally powered, industrial grade, 7 input, 4 output, LoRaWAN® bridge certified for safe and hazardous areas. It can operate as a LoRaWAN® Class A (sleep/wake monitoring) or Class C (continuous monitoring) device with the ability to perform control functions through its relay drivers. The relay drivers can be activated by downlink command or on-board analytics as part of a programmed process Control features can also be locked out if required.

The VoBo XP-HL incorporates an enclosure certified as an Ex Component, providing protection in accordance with the requirements of IEC 60079-7 (Increased Safety "e"), IEC 60079-15 applied to address reed switch SW4 because it is a make/break component which could produce arcs, sparks or hot surfaces and it is been evaluated/tested to provide protection against causing ignition by sealed device method as per clause 9 to achieve Equipment Protection Level Gc and Equipment Protection Level Dc per IEC 60079-31 (Protection by Enclosure "t"). The enclosure is relied upon to maintain the integrity of the protection concept, including resistance to environmental influences and prevention of ingress of dust, as applicable. Compliance of the final assembly is contingent upon correct installation and use of this Ex Component in accordance with its certification conditions and the relevant standards.

The VoBo XP-HL is provided with unthreaded 7/8-inch diameter entry points fitted with temporary shipping plugs. The shipping plugs are not intended for permanent installation. The installer shall provide and install entry fittings, cable glands, stopping plugs, and associated sealing components that are certified and suitable for the equipment marking, hazardous location classification, and applicable installation standards. All the entry points must be appropriately sealed.

For the installation to maintain compliance with the ATEX directives or with the IECEx certification system, the entry point fittings (cable glands, conduit fittings, or plugs) must be sized and acceptable for use with an unthreaded 7/8-inch diameter entry point, be rated IP 66 or better, and installed in accordance with the manufacturers' directions.

The EX component enclosure has service temperature range as below:
 $T_s = -65^{\circ} \text{C} \leq T_s \leq +90^{\circ} \text{C}$

Electrical Rating VoBo XP-HL:
 8-24VDC, 350mA

Routine tests

Not required.

Warning label

Do not open when an explosive atmosphere is present – Refer to installation manual DCM-XP01_VoBo_XP

[16] Assessment Report n° EPT. 26.REL.02/135712-2613067

This Type Examination Certificate is released after the positive result of the conformity assessment of the Directive 2014/34/EU and to harmonized technical standard listed in this Certificate, performed by Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.



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[17] Special conditions for a safe use

Risk from electrostatic discharge: see installation manual.

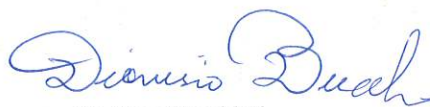
[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standard.

[19] Descriptive documents

The equipment objects of this Certificate is described by the following documents

Type of document	Name	Rev	Date
Installation Manual	DCM-XP01	A6	06/09/2026
VoBo XP Label Information	DWG-XP03	A8	06/09/2026
Mechanical drawings			
General Assembly ISO View	DWG-XP02	A7	06/09/2026
Assembled VoBo XP - multiview	DWG-XP07	A3	04/16/2026
Enclosure Specifications	DCM-XP14	A4	04/16/2026
Electrical schematics			
VoBo XP Schematics	DWG-XP04	A4	04/16/2026
PCB Layout			
VoBo XP Schematics	DWG-XP04	A4	04/16/2026
VoBo XP PCB Fabrication Specification	DWG-XP06	A2	04/16/2026
Components			
Reed Switch DataSheet	DCM-XP19	A2	04/16/2026
Bill of Materials			
VoBo XP PCB - Bill of Materials	DCM-XP12	A4	04/16/2026
VoBo XP - Top Level BOM	DCM-XP02	A4	04/16/2026



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[20] Terms and conditions

This Certificate is issued on a voluntary basis and doesn't replace in some way the EC declaration of conformity, neither it exonerates the manufacturer from other obligations of law for how much it concerns the responsibility from product.

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/CE.

The following conditions may render this Certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive 2014/34/EU;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[21] Certificate History

Issue	Description	Date
0	First Emission	03/08/2026



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