

UK Type Examination Certificate CML 21UKEX2638 Issue 1**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Model 010041 Viator Bluetooth Interface**
- 3 Manufacturer **Pepperl+Fuchs SE**
- 4 Address **Lilienthalstraße 200
68307 Mannheim
Germany**

5 The equipment is specified in the description of this certificate and the documents to which it refers.

6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, 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), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.

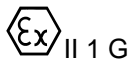
7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.

8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018 + AC:2020 EN 60079-11:2012

10 The equipment shall be marked with the following:



Ex ia IIC T4 Ga

Ta: -20°C to +50°C





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11 Description

The Model 010041 Viator Bluetooth Interface is a wireless communication device for use with a certified HART enabled field device. The interface converts and transmits the electrical HART signal via a 2.4GHz radio transmitter to a suitable remote receiver.

The Model 010041 Viator Bluetooth Interface is contained on one main printed circuit board. The printed circuit board contains a 2.4GHz piggy back radio board. The apparatus is to be powered by three internal "AAA" alkaline batteries. The approved batteries are listed in the operating instructions.

The Model 010041 Viator Bluetooth Interface contains two clip leads for connection to a HART signal. The batteries are to be replaced only in the safe area.

The Model 010041 Viator Bluetooth Interface circuitry is contained inside of a polymeric anti-static handheld housing. Two leaded wires, approximately 17" long, extrude through the housing to the clips used for connection to the HART signal.

Probe 1 w.r.t. Probe 2

$U_i = 30V$, $I_i = 130mA$, $P_i = 1W$, $C_i = 0\mu F$, $L_i = 0mH$.

$U_o = 1.8V$, $I_o = 2.5mA$, $P_o = 1.1mW$

Alternative manufacturing locations:

In addition to the manufacturer and location shown in sections 3 and 4 respectively, the products may also be manufactured at the following locations:

Pepperl+Fuchs Asia Pte. Ltd.

18 Ayer Rajah Crescent

Singapore 139942

Singapore

Variation 1

This variation introduced the following changes:

- i. Design change with alternate parts
- ii. Introduction of alternate battery cell options

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	29 July 2021	R14112U/00	Issue of Prime Certificate
1	28 Mar 2024	R17037A/00	Introduction of Variation 1

Note: Drawings that describe the equipment are listed in the Annex.



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13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. The equipment is to be designed in accordance with general electrical safety standards e.g., EN 62368.

14 Specific Conditions of Use

None

Certificate Annex

Certificate Number CML 21UKEX2638
Equipment Model 010041 Viator Bluetooth Interface
Manufacturer Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

Issue 0

For drawings describing the equipment, refer to attached certificate CML 16ATEX2379 Issue 2. In addition to the drawings listed on CML 16ATEX2379 Issue 2, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
16-1555CM-10	1 of 2	0	29 July 2021	Additional Marking Requirements for UKCA

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Drawing No	Sheets	Rev	Approved date	Title
16-B030CM-01	1 of 1	B	28 Mar 2024	Viator Bluetooth Modem – Schematic(s)
16-B030CM-02	1 to 5	B	28 Mar 2024	Viator Bluetooth Modem – Safety Relevant Components
16-B030CM-03	1 of 1	B	28 Mar 2024	Viator Bluetooth Modem – Component Setup
16-B030CM-05	1 to 5	B	28 Mar 2024	Viator Bluetooth Modem – Board Layouts
16-B030CM-07	1 to 2	B	28 Mar 2024	Viator Bluetooth Modem – Assembly Instructions
16-B030CM-10	1 of 1	B	28 Mar 2024	Viator Bluetooth Modem – Label(s)