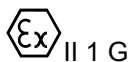




**EU Type Examination Certificate CML 16ATEX2379 Issue 0**

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Model 010041 Viator Bluetooth Interface**
- 3 Manufacturer **Pepperl+Fuchs GmbH**
- 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 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 to the Directive.  
  
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 conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 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 60079-0:2012+A11:2013    EN 60079-11:2012

10 The equipment shall be marked with the following:



Ex ia IIC T4 Ga  
-20°C ≤ Ta ≤ +50°C

A Snowdon



**CML 16ATEX2379  
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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" Energizer Industrial EN92 alkaline batteries. 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

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

$U_o = 1.8 V$ ,  $I_o = 2.5mA$ ,  $P_o = 1.1mW$ ,  $C_o = 100\mu F$ ,  $L_o = 1mH$ .

The values of  $C_o$  and  $L_o$  shall apply when one of the two conditions below is given:

- The total  $L_i$  of the external circuit (excluding the cable) is  $< 1\%$  of the  $L_o$  value, or
- The total  $C_i$  of the external circuit (excluding the cable) is  $< 1\%$  of the  $C_o$  value.

The above parameters are reduced to 50% when both of the two conditions below are given:

- The total  $L_i$  of the external circuit (excluding the cable)  $> 1\%$  of the  $L_o$  value, and
- The total  $C_i$  of the external circuit (excluding the cable)  $> 1\%$  of the  $C_o$  value.

Note: the reduced capacitance of the external circuit (including cable) shall not be greater than 1  $\mu F$  for IIB and 600nF for IIC.

### 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

#### Pepperl+Fuchs Inc.

1600 Enterprise Parkway  
Twinsburg, Ohio 44087  
USA

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	25 May 2017	R1485A/00	Report for the prime certificate issue.

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



**CML 16ATEX2379**  
**Issue 0**

### **13 Conditions of manufacture**

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

- 13.1 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.
- 13.2 The equipment is to be designed in accordance with general electrical safety standards e.g. EN 60950

### **14 Special Conditions for Safe Use (Conditions of Certification)**

None

## Certificate Annex



**Certificate Number** CML 16ATEX2379  
**Equipment** Model 010041 Viator Bluetooth Interface  
**Manufacturer** Pepperl+Fuchs GmbH

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
16-B030CM-01	1 to 2	A	25 May 2017	Viator Bluetooth Modem – Schematic(s)
16-B030CM-02	1 to 5	A	25 May 2017	Viator Bluetooth Modem – Safety Relevant Components
16-B030CM-03	1 to 2	A	25 May 2017	Viator Bluetooth Modem – Component Setup
16-B030CM-04	1 to 3	A	25 May 2017	Viator Bluetooth Modem – Mechanical Parts
16-B030CM-05	1 to 9	A	25 May 2017	Viator Bluetooth Modem – Board Layouts
16-B030CM-07	1 to 3	A	25 May 2017	Viator Bluetooth Modem – Assembly Instructions
16-B030CM-10	1 to 5	A	25 May 2017	Viator Bluetooth Modem – Label(s)