


**UK Type Examination Certificate CML 21UKEX3529X Issue 0****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 **Remote Monitor type RM-GXP1100-\*\*\*\*\_\*-\*\*\*\*\_\*\*-X resp. Personal Computer type PC-GXP1100-\*\*\*\*\_\*-\*\*\*\*\_\*\*-X**
- 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 43 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	EN 60079-5:2015	EN IEC 60079-7:2015+A1:2018
EN 60079-11:2012	EN 60079-31:2014	
- 10 The equipment shall be marked with the following:  
 II 2 G D  
Ex eb q ib [ib] IIC T4 Gb  
Ex tb [ib] IIIC T85°C Db  
IP66



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## 11 Description

The Remote Monitor type RM-GXP1100-\*\*\*\*\*\_\*-\*\*\*\*\*\_\*\*-X resp. Personal Computer type PC-GXP1100-\*\*\*\*\*\_\*-\*\*\*\*\*\_\*\*-X consists of the following three equipment's:

- 1) Display unit type DPU1100-J1-\*\*\*\*\*\_\*\*-\*\*-X acc. to CML 21UKEX3470X resp. IECEx BVS 16.0061X.
- 2) Thin Client Unit type TCU1100-J1-\*\*-\*\*-\*\*-X resp. Personal Computer Unit type PCU1100-J1-\*\*-\*\*-\*\*-X acc. to CML 21UKEX3469X resp. IECEx BVS 16.0060X.
- 3) Power supply unit type PSU1100-J1-\*\*-\*\* acc. to CML 21UKEX3514X resp. IECEx BVS 16.0063X.

The Thin Client Unit / Personal Computer Unit is connected to the Display Unit via a plug and socket construction. The construction fulfils the requirements of type of protection Increased Safety "eb" and Intrinsic Safety "ib" resp. Protection by enclosure "tb". The supply of the TCU / CPU coming from the PSU is realized by a cable entry which is separately certified for this purpose. This leads in the terminal compartment of the TCU / CPU which fulfils the requirements of type of protection Increased Safety "e".

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	24 June 2021	R14112Q/00	Issue of Prime Certificate

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

## 13 Conditions of Manufacture

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

- i. The manufacturer shall carry out the routine verifications and tests by EN 60079-0:2018 necessary to ensure that the subject produced complies with the specification submitted to the testing station together with the prototype or sample. He shall also make any routine verifications and tests required by the respective IEC Standards.

## 14 Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. The danger of ignition due to propagating brush discharges must be avoided by mounting the apparatus in areas without intensive electrostatic charging mechanism.
- ii. The intrinsically safe circuits are connected to earth. Along the intrinsically safe circuits potential equalization must exist.

## Certificate Annex

**Certificate Number** CML 21UKEX3529X  
**Equipment** Remote Monitor type RM-GXP1100-\*\*\*\*\_\*-\*\*\*\*\_\*-X resp.  
Personal Computer type PC-GXP1100-\*\*\*\*\_\*-\*\*\*\*\_\*-X  
**Manufacturer** Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

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For drawings describing the equipment, refer to attached certificate BVS 17ATEXE036X Iss. 0. In addition to the drawings listed on BVS 17ATEXE036X Iss. 0, 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	24 June 2021	Additional Marking Requirements for UKCA