



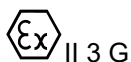
Type Examination Certificate **CML 19ATEX2087X Issue 0**

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Smart-Ex Watch 01 ***
- 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 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of equipment intended for use in potentially explosive atmospheres given in Annex II of Directive 2014/34/EU.
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 certification (affecting correct installation or safe use). These are specified in Section 14.
- 8 This Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Annex VIII apply to the manufacture of the equipment or component.
- 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 60079-0:2018

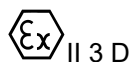
EN 60079-11:2012

- 10 The equipment shall be marked with the following:



Ex ic IIC T5 Gc

-15°C ≤ Ta ≤ +50°C



Ex ic IIIB T100°C Dc

-15°C ≤ Ta ≤ +50°C

A Snowden



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11 Description

The Smart-Ex Watch 01 * is an intrinsically safe watch for use in hazardous areas requiring equipment protection levels Gc or Dc. The watch comprises a metal body with glass front (touchscreen), non-metallic rear cover, and leather watchband type WB SEW 01 *. The "*" in the part number represents wireless functionality and the equipment is available in two models – the Smart-Ex Watch 01 WiFi and the Smart-Ex Watch 01 LTE.

The equipment is powered from a single internal cell which is fixed within the equipment and is not user replaceable. The equipment utilises wireless charging and may only be recharged in the safe area.

Intrinsic safety is achieved by limiting energy storage and discharge and by powering from an intrinsically safe battery supply.

12 Certificate history and evaluation Reports

| Issue | Date | Associated report | Notes |
|-------|-------------|-------------------|----------------------------|
| 0 | 15 May 2019 | R12341A/00 | Issue of prime certificate |

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

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.

14 Specific Conditions of Use (Special Conditions)

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

- 14.1 The equipment shall only be used in environments which do not contain conductive pollution. Regular checks shall be carried out to ensure that the enclosure integrity has not been compromised by mechanical impacts, drops, or aging. If there are any signs of damage or of condensation within the enclosure, the equipment shall be removed from the hazardous area.
- 14.2 The equipment shall not be charged in the hazardous area.
- 14.3 If the equipment watchband is changed, it shall only be replaced with an identical type supplied by the equipment manufacturer, type WB SEW 01 *.
- 14.4 The equipment shall not be opened and shall not be field wired to external equipment in the hazardous area (wireless connections are allowed).

Certificate Annex

Certificate Number CML 19ATEX2087X
Equipment Smart-Ex Watch 01 *
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 |
|--------------|--------|-----|---------------|--------------------------------|
| 16-1479CM-01 | 1 to 7 | - | 15 May 2019 | Schematics (Smart-Ex Watch 01) |
| 16-1479CM-04 | 1 to 9 | 00 | 15 May 2019 | General assembly |
| 16-1479CM-05 | 1 to 7 | - | 15 May 2019 | PCB layout (Smart-Ex Watch 01) |
| 16-1479CM-09 | 1 to 1 | - | 15 May 2019 | Extract from instructions |
| 16-1479CM-10 | 1 to 1 | - | 15 May 2019 | Type label |