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| 1. Radio equipment: | Equipment: Volume conversion device for gas |
| | Type: MacBAT 5, models with 2G or 3G GSM modem and without GSM modem |
| | Marking:  II 1G Ex ia IIB T4 Ga |
| 2. Name and address of the manufacturer: | PLUM Sp. z o.o., ul. Wspólna 19, Ignatki, 16-001 Kleosin, Poland |
| 3. This declaration of conformity is issued under the sole responsibility of the manufacturer. | |
| 4. Object of the declaration (identification of the radio equipment allowing traceability; it may include a colour image of sufficient clarity where necessary for the identification of the radio equipment): | |
| Serial number: to be filled by the Measuring Laboratory of Plum Sp. z o.o. | |
| 5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation: | |
| Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) | |
| Directive 2014/32/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of measuring instruments (MID) | |
| Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC (RED)* | |
| Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (EMC)** | |
| Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment and Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances (RoHS) | |
| 6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared. References must be listed with their identification number and version and, where applicable, date of issue: | |
| in a range of safety and health in potentially explosive atmospheres (ATEX): | EN IEC 60079-0:2018 EN 60079-11:2012 |
| in a range of metrology (MID): | EN 12405-1:2005 + A2:2010 |
| in a range of metrology: | EN 12405-1:2018 EN 12405-2:2012 Welmecon guide 7.2, 2019; Welmecon-Guide 11.1, 2017; Welmecon-Guide 11.3, issue 1 |
| in a range of safety of use (RED art. 3.1a)*: | EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 EN 62311:2008 PN-EN 60529:2003/A2:2014-07 IP |
| in a range of electromagnetic compatibility (RED art. 3.1b)*: | Draft ETSI EN 301 489-1 v2.2.0 Draft ETSI EN 301 489-52 v1.1.0 PN-EN 12405-1:2005 + A2:2010 PN-EN 55011:2016-05+A1:2017-06 |
| in a range of efficient use of spectrum resources (RED art. 3.2)*: | ETSI EN 301 511 v12.5.1 ETSI EN 301 908-1 v11.1.1 ETSI EN 301 908-2 v11.1.1 |
| in a range of electromagnetic compatibility (EMC)**: | PN-EN 12405-1:2005 + A2:2010 |
| in a range of radiated disturbance (EMC)**: | PN-EN 12405-1:2005 + A2:2010 PN-EN 55011:2016-05 + A1:2017-06 |
| in a range of safety use**: | PN-EN 60529:2003+A2:2014-07 |
| 7. Notified body: | |
| Notified body (ATEX): FTZÚ, Fyzikálně technický zkušební ústav, s.p., Píkatřská 1337/7, 716 07 Ostrava Radvanice, Czech Republic, ID no.1026, performed EU type examination, report no.: 17/0047 and issued the certificate no.: FTZÚ 17 ATEX 0047X dated 26.03.2018 and Supplementary EU-Type Examination Certificate No. 1 dated 17.12.2019 | |
| Notified body (MID): Physikalisch-Technische Bundesanstalt, Bundesallee 100, 38116 Braunschweig, Germany, identification number 0102, performed EU type examination, report no.: PTB-1.42-4101059 and issued the certificate no.: DE-19-MI-002-PTB004, Revision 2 dated 25.05.2020 | |
| 8. Where applicable, description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity*: | |
| not applicable | |
| 9. Additional information: | |
| Quality system for production, final product inspection and testing according to Annex D of the Directive MID: | Notified body: CMI, Český metrologický institut, Okružní 31, 638 00 Brno, Czech Republic, ID no. 1383 Certificate number: 0119-SJ-A002-09 |
| Integrated Quality Environmental and Occupational Health and Safety Management System: | Certification body: BSI Assurance UK Limited, 389 Chiswick High Road, London W4 4AL, Great Britain |
| | International standards: ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007 Certificates numbers: Quality – FM 37328, Environmental – EMS 76080, OH&SMS – OHS 76081 |
| Quality system for production, final equipment inspection and testing according to Annexes IV and VII of the Directive ATEX: | Notified body: FTZÚ, Fyzikálně technický zkušební ústav, s.p., Píkatřská 1337/7, 716 07 Ostrava Radvanice, Czechy, ID no. 1026 Harmonised standard: ISO/IEC 80079-34:2011 Certificate number: Quality Assurance Notification no. FTZÚ 04 ATEX Q 009 |
| Explosion protection according to IECEx certification scheme: | FTZÚ, Fyzikálně technický zkušební ústav, s.p., Píkatřská 7, 716 07 Ostrava Radvanice, Czech Republic • IECEx Quality Assessment Report (QAR) number: CZ/FTZU/QAR16.0002/00 dated 03.05.2016, • IECEx Technical Report (ExTR) number: CZ/FTZU/ExTR17.0027/00 dated 26.03.2018, • IECEx Certificate of Conformity (CoC) number: IECEx FTZU 17.0026X dated 26.03.2018. |
| Electromagnetic compatibility and radiated disturbance (EMC): | Łukasiewicz Research Network – Institute of Innovative Technologies EMAG, ul. Leopolda 31, 40-189 Katowice, Poland Report no.: 5569-ZLB/2019, 5567-ZLB/2019 |
| Signed for and on behalf of: company Plum Sp. z o.o. | |
| Ignatki, 2020-10-30 | Michał Szumski, Member of the Board |
| (place and date of issue) | (name, function) (signature) |

* it concerns models with GSM modem

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