

Number: 97/2023

Product: Electronic data logger
Type: DATCOM, DATCOMplus

Manufacturer: ELGAS, s.r.o.
Semtínská 211
Ohrazenice
533 53 Pardubice
Czech Republic

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: electronic data logger type DATCOM, DATCOMplus

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

1. European Parliament and Council Directive 2014/34/EU (ATEX):

Notified body No. 1026 (AO 210) - Physical-Technical Testing Institute s.p. (FTZÚ), Pikartská 7, 716 07, Ostrava-Radvanice, Czech Republic issued EU type examination certificate No.: FTZÚ 17 ATEX 0143X followed by Supplement No. 5 of 23.10.2023. Valid until: 31.12.2027. Used standards: EN 60079-0:2018; EN 60079-11:2012

Type of protection shall include the indication:  **1G Ex ia IIB T4 Ga ZONE 0**

Type of protection according to the device variant when using extension modules:

 **II 1G Ex ia IIB T3 Ga** with 2G and LTE communication boards **ZONE 0**

 **II 2G Ex ib IIA T3 Gb** with the PWR2 board **ZONE 1**

 **II 2G Ex ib IIB T4 Ga** with the SCR board **ZONE 1**

Notified body No. 1026 (Physical-Technical Testing Institute s.p. (FTZÚ), Pikartská 7, 716 07, Ostrava-Radvanice, Czech Republic) issued on 20.12.2022 „Quality assurance notification“ No. FTZÚ 02 ATEX Q010 8th edition according to the Directive 2014/34/EU Annexes IV and VII. Validity till: 31.12.2025.

2. Directive IECEx - IEC 60079-0:2017 ed.7.0 a IEC 60079-11:2011 ed.6.0

Physical-Technical Testing Institute s.p. (FTZÚ), Pikartská 7, 716 07, Ostrava-Radvanice, Czech Republic issued EU type examination certificate for this type of product: **IECEx FTZU 17.0023X** followed by Supplement no. 4 of 16.12.2022.

Type of protection: Intrinsic safety

Marking: Ex ia IIB T4 Ga

Type of protection according to the device variant when using extension modules:

2G and LTE communications: **Ex ia IIB T3 Ga**

PWR2: **Ex ib IIA T3 Gb**

SCR: **Ex ib IIB T4 Gb**

3. European Parliament and Council Directive 2014/30/EU (EMC):

Company VOP-026 Šternberk, s.p., office VTÚPV Vyškov, V. Nejedlého 691, 682 03 Vyškov, Czech Republic issued test protocols no. 194300-596 / 2017, 194300-064 / 2018.

Used standards: EN 61000-4-2 ed. 2:2009; EN 61000-4-3 ed. 3:2006 / A1:2008 / Z1:2010 / A2:2011; EN 61000-4-4 ed. 3:2013; EN 61000-4-5 ed. 3:2015; EN 61000-4-6 ed. 4:2014; EN 61000-4-8 ed. 2:2010.

4. European Parliament and Council Directive 2011/65/EU (RoHS).

5. European Parliament and Council Directive 2014/53/EU (RED):

Based on used communication module:

Communication module GSM/GPRS: Module manufacturer - company Shanghai SIMCom Wireless Solution Co., Ltd., Building A, SIM Technology Building, No. 633, Jinzhong Road, Changning District, Shanghai, P.R.China issued on 04.05.2017 EU declaration of conformity with European directive 2014/53/EU (RED) for module SIMCom, model 800H, GSM/GPRS. Used frequencies: 900/1800 MHz.

Conformity assessment in accordance with Annex III, Module B of Directive 2014/53/EU (RED) was carried out on 01.06.2017 by Notified body No. 0678 - **EMCCert DR. RAŠEK GmbH**, Störnhofer Berg 15, 91364 Unterleinleiter, Germany.

Used standards:

- Electrical safety: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
- EMC: ETSI EN 301 489-1 V2.2.0; ETSI EN 301 489-52 V1.1.0; ETSI EN 301 489-17 V3.2.0
- Radio parameters: EN 301 511 V12.5.1; EN 300 328 V2.1.1

Communication module LTE: Module manufacturer, company Gemalto M2M GmbH., We-rinherstraße 81, 81541 München, Germany issued on 12.12.2017 EU declaration of conformity with European directive 2014/53/EU (RED) for module CINTERION, model ELS61-E R2. Con-formity assessment procedure to directive 2014/53/EU done by Notified body No. 1588 – Amer-ican Certification Body, Inc. (ACB), Suite CI 1 0, McLean, VA 221 01, USA.

EU Type Examination Certificate: ATCB022025.

Used standards:

- Health and Safety of the User: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
- EMC: ETSI EN 301 489-1 V2.2.0; ETSI EN 301 489-52 V1.1.0 draft
- Radio parameters: EN 301 511 V12.5.1, EN 301 908-1V11.1V1, EN 301 908-2 V11.1.2, EN 301 908-13 V11.1.2

Communication module LTE: model ELS62-W

Module manufacturer, company Thales DIS AIS Deutschland GmbH, Werinherstr. 81, Munich issue on 21.6.2022 EU declaration of conformity with European directive 2014/53/EU (RED) for module CINTERION, model ELS62-W.

Conformity assessment procedure to directive 2014/53/EU done by Notified body No. 1177 – **TIMCO Engineering, Inc., 849 NW State Road 45, Newberry, Florida 32669, United States.**
EU-type Examination Certificate Number: E1177-222014

Used standards:

- Health: EN IEC 62311:2020
- Safety: EN 62368-1:2014+A11:2017
- EMC: ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-52 V1.2.1
- RF spectrum efficiency: EN ETSI 301 908-1 V15.1.1, ETSI EN 301 908-13:V13.2.1; ETSI EN 301 511:V12.5.1

Communication module LTE: model SIM7020E

Module manufacturer - company Shanghai SIMCom Wireless Solution Co., Ltd., Building A, SIM Technology Building, No. 633, Jinzhong Road, Changning District, Shanghai, P.R.China issued on 03.07.2018 EU declaration of conformity with European directive 2014/53/EU (RED) for module SIMCom, model SIM7020E,

Conformity assessment procedure to directive 2014/53/EU done by Notified body No. 2200 – – **Bureau Veritas Consumer Products Services, Inc. 775, Montague Expressway Milpitas California 95035, USA**

EU Type Examination Certificate: RE-18070302.

Used standards:

- Safety: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
- Health: EN 62311:2008
- EMC: ETSI EN 301 489-1 V2.2.0, ETSI EN 301 489-52 V1.1.0
- RF spectrum efficiency: EN 301 908-1 V11.1.1, EN 301 908-13 V11.1.2

Communication module ELS61-US:

Module manufacturer - company Gemalto M2M GmbH. Notify body 0682, CTC advanced GmbH,

Untertürkheimer Straße 6-10, 66117 Saarbrücken, Germany, Notifikovaná osoba 0682

UL TYPE EXAMINATION CERTIFICATE, Certificate No. UL TEC-00698 issued on 22.12.2017

Used standards:

- Elektrická bezpečnost: EN 60950-1:2006/A11:2009, EN 60950-1:2006/A12:2011, EN 60950-1:2006/A1:2010, EN 60950-1:2006/A2:2013, EN 60950-1:2006
- EMC: ETSI EN 301 489-01 V1.9.2, ETSI EN 301 489-07 V1.3.1, ETSI EN 301 489-24
Radiové parametry: V1.5.1, ETSI EN 301 908-01 V5.2.1, ETSI EN 301 908-02 V5.2.1,
Zdraví: EN 62311:2008

Technical documentation of the product ELCOR is stored at ELGAS, s.r.o., Semtínská 211, Ohrazenice, 533 53 Pardubice, Czech Republic.

Special conditions for safe use:

1. Under certain extreme circumstances the plastic enclosure may store an ignition-capable level of electrostatic charge. Therefore the device shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge. The equipment shall only be cleaned with a damp cloth

Signed for and on behalf of ELGAS, s.r.o.:
Pardubice, 9th November, 2023



Jan Kovář
Quality manager