



Physical-Technical Testing Institute
Ostrava - Radvanice

Certificate No.: FTZÚ 17 E 0008

about verification of general requirements for the construction, testing and performance of electrically operated apparatus for the detection of combustible gases, designed for continuous operation in a fixed installation in domestic premises.

This certificate is issued for product: **Combustible Gas Leak Detector type GS-133**

Manufacturer: **JABLOTRON ALARMS a.s.**

Address: **Pod Skalkou 4567/33, 466 01 Jablonec nad Nisou, Czech Republic**

Above mentioned product and any of its variant are specified in documentation, list of which is in this certificate.

The examination and test results are recorded in confidential Report No.

17E/0008 dated 31.01.2018

FTZÚ – National testing authority No. 210 confirms that product comply with requirements following clauses of the standard:

clauses 4.3.1, 4.3.3, 4.3.4, 4.4, 4.5, 4.6, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6, 5.3.7, 5.3.8, 5.3.9, 5.3.10, 5.3.11, 5.3.14, 5.3.15 of the standard EN 50194-1:2009

Manufacturer listed in the certificate is responsible for product conformity assurance in accordance with its specification and documentation listed in this certificate and for successful performance of all specified routine tests and verification.

This certificate is valid till: **31.01.2023**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 31.01.2018

Page: 1/2
Annexes: --



This certificate is valid only for products described in this certificate and doesn't replace any other documents.
This certificate shall not be reproduced except in full without written approval of authorized entity (FTZÚ).

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute

Ostrava - Radvanice

Schedule

Certificate No. FTZÚ 17 E 0008

Product description:

The product Combustible gas detector, type GS-133 from manufacturer JABLOTRON ALARMS a.s. is used for combustible gas leak detection. The inside pelister sensor detects combustible gases and responses in two levels of concentrations. The product signalizes gas leak optically and acoustically. It is also equipped with the output relay with optional function.

The covering is made of plastic with openings in the upper, lower and front side against the sensor. The product is intended for environment without significant risk e.g. flats.

The product has been subjected to performance tests prescribed in the clauses of the standard mentioned on the first page of this certificate and complies with their requirements. The detection function of the product has been verified for signalization of gas propane C_3H_8 and for two levels of concentration where the first degree is $18 \pm 3\%$ LEL of propane and the second degree is $30 \pm 3\%$ LEL of propane.

Parameters: Ambient temperature: $-10^\circ C$ to $+40^\circ C$
Power supply: DC 12V $\pm 10\%$
Apparatus type: A

List of documentation:

Drawing No.:	Date:	Sheets:	Title:
MEF51014	-	2	Instructions for use
ex11011	30.11.2005	1	Schematic diagram
ex11011	30.11.2005	1	Layout PCB – SMD
ex11011	30.11.2005	1	Layout PCB – elements
EX901107_@D20171201C	20.12.2017	6	Competition manual
SAM-215.04	31.01.2018	1	Product label

Responsible person:

lukas.martinak

Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 31.01.2018

Page: 2/2

This certificate is valid only for products described in this certificate and doesn't replace any other documents.
This certificate shall not be reproduced except in full without written approval of authorized entity (FTZÚ).

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute
Ostrava – Radvanice

Supplementary Type Examination Certificate No.1

about verification of general requirements for the construction, testing and performance of electrically operated apparatus for the detection of combustible gases, designed for continuous operation in a fixed installation in domestic premises.

Type Examination Certificate number:

FTZÚ 17 E 0008

Product: **Combustible Gas Leak Detector type GS-133**

Manufacturer: **JABLOTRON ALARMS a.s.**

Address: **Pod Skalkou 4567/33, 466 01 Jablonec nad Nisou, Czech Republic**

This supplementary certificate extends Type Examination Certificate No. FTZÚ 17 E 0008 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

The Physical-Technical Testing Institute, Certification Body No.3051, accredited by ČIA o.p.s, Prague according to EN ISO/IEC 17065:2012, certifies that this product has been found to comply with requirements of the following clauses of standard:

clauses 4.3.1, 4.3.3, 4.3.4, 4.4, 4.5, 4.6, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6, 5.3.7, 5.3.8, 5.3.9, 5.3.10, 5.3.11, 5.3.14, 5.3.15 of the standard EN 50194-1:2009

Manufacturer listed in the certificate is responsible for the product conformity assurance in accordance with its specification (documentation) listed in this certificate and for successful performance of all specified routine tests and verification.

This supplementary certificate relates only to the verification of general requirements for the construction, testing and performance of electrically operated apparatus for the detection of combustible gases, designed for continuous operation in a fixed installation in domestic premises. Further requirements can be applied to the manufacturing process and supply of this product. These are not covered by this certificate.

This certificate is valid till: **27.09.2023**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 27.09.2018

Page: 1/2

This certificate is valid only for products described in this certificate and doesn't replace any other documents.
This certificate shall not be reproduced except in full without written approval of authorized entity (FTZÚ).

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute
Ostrava – Radvanice

Schedule

Supplementary Type Examination Certificate No. 1
to FTZÚ 17 E 0008

Description of product changes:

The product has been subjected to new performance tests prescribed in the clauses of the standard mentioned on the first page of this supplementary certificate and complies with their requirements for next gases methane CH_4 , iso-butane C_4H_{10} and hydrogen H_2 .

Recapitulation of parameters:

Level of concentration	Gas			
	Methane CH_4	Propane C_3H_8	Isobutane C_4H_{10}	Hydrogen H_2
First degree	10±3% LEL	18±3% LEL	23±3% LEL	9±3% LEL
Second degree	18±3% LEL	30±3% LEL	40±3% LEL	16±3% LEL

Ambient temperature: -10°C to +40°C

Power supply: DC 12V ±10%

Apparatus type: A

Test report No.: 17E/0008/1

List of documentation: remain unchanged

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 27.09.2018

Page: 2/2

This certificate is valid only for products described in this certificate and doesn't replace any other documents.
This certificate shall not be reproduced except in full without written approval of authorized entity (FTZÚ).

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz