

# DECLARATION OF PERFORMANCE

## No. ELMES-MTS1669V-001

1. Unique identification code of the product type:

MTS-166/9V

2. Type, batch or serial number or any other elements allowing identification of the construction product:

Optical Smoke Alarm MTS-166/9V

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Fire Safety and installed in buildings

4. Name, registered trade name or registered trade mark and contact address of the manufacturer:

Gartec Safety Technology (Shenzhen) Co., Ltd.  
815, Shenzhen Research Institute, The Chinese University of Hong Kong, No.10,  
Yuexing 2nd Road, High-Tech Zone, Yuehai Street, Nanshan District, Shenzhen,  
Guangdong 518000 China

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks:

Elmes Electronic,  
Avicenny 2 Str,  
54-611 Wroclaw,  
Poland

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the construction Products Regulation or CPR), this certificate applies to the above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn

by the notified product certification body.  
Certificate No. 2797-CPR-796170

8. Declared performance

<b>Harmonised Technical Specification</b>		<b>EN 14604:2005/AC:2008</b>
<b>Essential Characteristics</b>	<b>Performance</b>	<b>Clause</b>
<b>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions</b>		
Smoke alarm signals	Pass	4.12
Repeatability	Pass	5.2
Directional dependence	Pass	5.3
Initial sensitivity	Pass	5.4
Air movement	Pass	5.5
Dazzling	Pass	5.6
Fire sensitivity	Pass	5.15
Sound output	Pass	5.17
Sounder durability	Pass	5.18
Inter-connectable smoke alarms	Pass	4.18, 5.19
Alarm silence facility	Pass	5.20
<b>Operational Reliability</b>		
Compliance	Pass	4.1
Individual alarm indicator	Pass	4.2
Mains on indicator	Pass	4.3
Connection of external ancillary devices	Pass	4.4
Means of calibration	Pass	4.5
User replaceable components	Pass	4.6
Normal power source	Pass	4.7
Standby power source	Pass	4.8
Electrical safety requirements	Pass	4.9, 5.24
Routine test facility	Pass	4.10
Terminals for external conductors	Pass	4.11
Battery removal indication	Pass	4.13
Battery connections	Pass	4.14
Battery capacity	Pass	4.15
Protection against the ingress of foreign bodies	Pass	4.16

<b>Harmonised Technical Specification</b>		<b>EN 14604:2005/AC:2008</b>
<b>Essential Characteristics</b>	<b>Performance</b>	<b>Clause</b>
<b>Operational Reliability</b>		
Marking and data	Pass	4.19
Impact	Pass	5.11

Battery fault warning	Pass	5.16
Battery reversal	Pass	5.22
Backup power source	Pass	5.23
<b>Tolerance to supply voltage</b>		
Variation in supply voltage	Pass	5.21
<b>Durability of Operational Reliability</b>		
Dry Heat	Pass	5.7
Cold (operational)	Pass	5.8
Damp heat (operational)	Pass	5.9
Sulphur dioxide (SO <sub>2</sub> ) corrosion	Pass	5.10
Vibration (operational)	Pass	5.12
Vibration (endurance)	Pass	5.13
<b>Durability of Operational Reliability, Electrical Stability</b>		
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.14
Notes: The products covered by this standard are assumed to operate, in an event of fire, before the fire becomes as large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.		

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Certified in accordance with : 2797 CPR 796170  
Quality Management System : ISO 9001:2008 BSI Standard – EN 14604:2005/AC:2008

The authorised signatory of this declaration of conformity is:

Mr. DU QING BEN

General Manager

Gartec Safety Technology(Shenzhen)Co., Ltd.

Signature 杜青本

Date of Issue: 24<sup>th</sup> Oct, 2024