

Certificate of Constancy of Performance

This is to certify that:

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

Holds Certificate Number:

2797 CPR 796170

In respect of:

Smoke Alarm Devices
EN 14604:2005/AC:2008

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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

For and on behalf of BSI, a Notified
Body for the above Regulation
(Notified Body Number 2797):



Denelise L'Ecluse, Managing Director Assurance - Continental
Europe

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No. 2797 CPR 796170

Manufacturing Plant:

LuoDing Bao-Jie Electronics Co. Limited

Gate of Thermal Power Plant

Chenpi Village

ShuangDong Town

Luoding City

Guangdong

527200

China

Product Information

Mains Powered Smoke Alarms

Model Reference	Type
GNS-2236RF	Photoelectric Smoke Alarm with Battery Back-up, Alarm Silence and RF Interconnect Function
GNS-2236	Photoelectric Smoke Alarm with Battery Back-up and Alarm Silence Function
GNS-2236X	Photoelectric Smoke Alarm with Battery Back-up and Alarm Silence Function
GNS-2369X	Photoelectric Smoke and Class A1 Heat Alarm with Interconnect, Alarm Silence Function and Non-User Replaceable Lithium Battery Back-up
GTA-2236	Photoelectric Smoke Alarm with User Replaceable Battery Back-up and Alarm Silence Function

Battery Powered Smoke Alarms

Model Reference	Type
MTS-166RF	Photoelectric Smoke Alarm with Alarm Silence Function, RF Interlink and User Replaceable 9V Battery
MTS-166/9V	Photoelectric Smoke Alarm with Alarm Silence Function and User Replaceable 9V Battery
MSA-866	Photoelectric Smoke Alarm with Alarm Silence Function and Non-User Replaceable 3V Battery
MSA866/10YRF	Photoelectric Smoke Alarm with Alarm Silence Function, RF Interlink and Non-User Replaceable 3V Battery
GS-610RF	Photoelectric Smoke Alarm with Alarm Silence Function, RF Interlink and Non-User Replaceable 3V Battery
Mini-866/10Y	Photoelectric Smoke Alarm with Alarm Silence Function and non-replaceable 3V Lithium Battery
PRG-166	Photoelectric Smoke Alarm
PRG-166RF	Photoelectric Smoke Alarm with RF Interlink

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Appendix 1

Harmonised Technical Specification		EN 14604:2005/AC:2008
Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions		
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
Operational Reliability		
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

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Appendix 1 (continued)

Harmonised Technical Specification		EN 14604:2005/AC:2008
Essential Characteristics	Performance	Clause
Operational Reliability		
Battery connections	Pass	4.14
Battery capacity	Pass	4.15
Protection against the ingress of foreign bodies	Pass	4.16
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
Tolerance to supply voltage		
Variation in supply voltage	Pass	5.21
Durability of Operational Reliability		
Dry heat	Pass	5.7
Cold (operational)	Pass	5.8
Damp heat (operational)	Pass	5.9
Sulphur dioxide (SO ₂) corrosion	Pass	5.10
Vibration (operational)	Pass	5.12
Vibration (endurance)	Pass	5.13
Durability of Operational Reliability, Electrical Stability		
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.14

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