

# Certificate of Constancy of Performance

This is to certify that:

Sprue Safety Products Limited  
A division of Sprue Aegis plc  
Vanguard Centre  
Sir William Lyons Road  
Coventry  
CV4 7EZ  
United Kingdom

Holds Certificate Number:

0086-CPR-557790

In respect of:

**EN 14604: 2005**  
**Smoke alarm devices.**

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 are applied and that the product fulfils (products fulfil) all the prescribed requirements set out above. This certificate remains valid as long as the test methods and/or factory production control requirements included in the harmonised standard(s), used to assess the performance of the declared essential characteristics, do not change and the products(s), and the manufacturing conditions in the plants(s) are not modified significantly.

For and on behalf of BSI, a Notified  
Body for the above Regulation  
(Notified Body Number 0086):



Gary Fenton, Global Product Certification Director

First Issued: 2011-12-19

Latest Issue: 2017-04-21

# Certificate of Constancy of Performance

No. 0086-CPR-557790

Manufacturing Plant:

**Shenzhen CICAM Manufacturing Co., Limited**

Block 12, Antuoshan High-tech Industrial Park  
Xinsha Road, Shajing Street  
Baoan District  
Shenzhen  
518104  
China

## Product Information

### Battery Powered Smoke Alarms

Model Reference	Type
ST-620	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Batteries and Alarm Silence Function.
ST-622	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Batteries and Alarm Silence Function.
ST-622-DE	Thermally Enhanced Photoelectric Smoke Alarm with Non-User Replaceable Batteries and Alarm Silence Function. vfdb 14/01:2010-05(01) version.
ST-750	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Batteries and Alarm Silence Function.

**Note<sup>1</sup>:** The ST-620, ST-622, ST-622-DE & ST-750 are thermally enhanced and do not provide for standalone heat detection.

**Note<sup>2</sup>:** The ST-620, ST-622 & ST-750 meet the requirements of Annex L and are therefore certified as suitable for use in Leisure Accommodation Vehicles (LAV's).

### Mains Powered Smoke Alarms

Model Reference	Type
SM-SN-1	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Lithium Battery Backup and Interconnect Function.
WSM-SN-1	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Lithium Battery Backup, RF and Hard-wired Interconnect Function.

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<b>Sprue Safety Products Model</b>	<b>Alternative Branded Model</b>	<b>Brand / Supplier</b>
ST-620	ST-FA620	First Alert
	ST-AE620	AngelEye
	5TC1292-2	Siemens AG
ST-622	ST-AE622	AngelEye
	5TC1292-5	Siemens AG
	SB-SN-1	Sona
SM-SN-1	SM-F-1EU	FireAngel
ST-750	ST-AE750	AngelEye
WSM-SN-1	WSM-F-1EU	FireAngel

Approval also includes the certified model number with one of the following suffixes to denote the language / country variant or specific brand:

<b>Suffix</b>	<b>Country Variant</b>	<b>Suffix</b>	<b>Country Variant</b>
-AT	Austria	-AUS	Australia
-BE	Belgium	-BNL	Dual Language Belgium & Netherlands
-CEU	Central Europe	-DE	Germany
-DK	Denmark	-EEU	Eastern Europe
-EU	Generic European Variant	-ES	Spain
-FI	Finland	-FR	France
-FF	Contains Fast Fit Bracket	-HU	Hungary
-INT	International	-IT	Italy
-NEU	Northern Europe	-NL	Netherlands
-NO	Norway	-PL	Poland
-Q	B&Q	-R	Retail
-SC	Scandinavia	-SE	Sweden
-SEU	Southern Europe	-SV	ServeCount variant (Germany)
-T	Trade	-V	VdS

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## Appendix 1

Harmonised Technical Specification		EN 14604:2005
Essential Characteristics	Performance	Clause
<b>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions</b>		
Smoke alarm signals	Pass	4.12
Inter-connectable smoke alarms	Pass	4.18
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	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

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## Appendix 1 (continued)

<b>Harmonised Technical Specification</b>	<b>EN 14604:2005</b>	
<b>Essential Characteristics</b>	<b>Performance</b>	<b>Clause</b>
<b>Operational Reliability</b>		
Battery connections	Pass	4.14
Battery capacity	Pass	4.15
Protection against the ingress of foreign bodies	Pass	4.16
Additional requirements for software controlled smoke alarms	Pass	4.17
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

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