



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3063	8-Nov-2016	Number 11	Issue date 7-Apr-2026	30-Apr-2027

Page 1 of 3

Product designation

Ningbo Siterwell Electronics Co. Ltd, Model GS503E, 9 Vdc battery powered, photoelectric smoke alarm

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Siterwell Electronics Co., Limited
No. 666 Qingfeng Road, JIANGBEI DISTRICT, NINGBO, ZHEJIANG PROVINCE, CHINA, 315000

Registrant

Siterwell Electronics Co., Limited
No. 666 Qingfeng Road, JIANGBEI DISTRICT, NINGBO, ZHEJIANG PROVINCE, CHINA, 315000

Producer

Siterwell Electronics Co., Limited
No. 666 Qingfeng Road, JIANGBEI DISTRICT, NINGBO, ZHEJIANG PROVINCE, CHINA, 315000

Conformance criteria and evaluation

The Ningbo Siterwell Electronics Co. Ltd, Model GS503E, 9 Vdc battery powered, photoelectric smoke alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 3786:2014, 'Smoke alarms using scattered light, transmitted light or ionization' incl. Amdt 1 (27 August 2015).
2. CSIRO Technical Specification TS-007, Version 2: 27-Jul-2015, 'Evaluation for Conformity of smoke alarms to the requirements of AS 3786:2014'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

Kaj Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3063	8-Nov-2016	Number 11	Issue date 7-Apr-2026	30-Apr-2027

Page 2 of 3

Producer's description

The Ningbo Siterwell Electronics Co. Ltd, Model GS503E, 9 Vdc battery powered, photoelectric smoke alarm intended for use in domestic and residential dwellings.

The smoke alarm operates according to the principle of light scattering. Inside the measuring chamber, which is protected against external light by a black plastic labyrinth, a light emitter and a light receiver are mounted so that no direct light from the emitter can reach the receiver while aerosol is absent in the chamber.

If smoke particles enter the measuring chamber, the light pulse from the light emitter will be scattered by the smoke particles and can thus reach the light receiver. The electronics assess the light incidence and will activate an alarm (both visual and audible) if a predetermined threshold value is exceeded.

The Ningbo Siterwell Model GS503E Photoelectric Smoke Alarm is circular in shape and is approximately 105 mm diameter with a height of 30 mm

Technical specification

The following details are a representative extract of the technical specification for the Ningbo Siterwell Electronics Co. Ltd, Model GS503E, 9 Vdc battery powered, photoelectric smoke alarm and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant		Description
Type	Ident.	
Model number	GS503E (Ref.: ST503E)	Photoelectric smoke alarm

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Sensor	Photoelectric
Power	9Vdc battery
Battery replacement	Gold Peak: GP1604A Raymax: 6LR61 Duarcell: 6LR61 or MN1604 EVE: R9V/P
Operation current	< 10uA (standby) < 30mA (alarm)
Alarm volume	85 dB(A) at 3 meters
Alarm sensitivity	0.10 - 0.15 dB/m
Dimensions (approx.)	Diameter 100 mm Height 31 mm

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3063	8-Nov-2016	Number 11	Issue date 7-Apr-2026	30-Apr-2027
				Page 3 of 3

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report:	XL3020/R1	Evaluation for conformity of the Ningbo Siterwell Model GS503E Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015 'Smoke Alarms using scattered light, transmitted light or ionization'	2-Sep-2016	CSIRO, Infrastructure Technologies, Fire Systems and Acoustics
Document No.	RD-503E-39-001 Version: A	Smoke Alarm User Manual Model number: GS503E Ref : ST503E	30-Aug-2015	Ningbo Siterwell Electronics Co., Ltd., NINGBO, CN
	RD-503E-39-002 Version: A			
	RD-503E-39-003 Version: A			