



Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	Page 1 of 2
afp - 1124	3-Jul-1997	Number 19	5-Apr-2023	30-Apr-2024	

Product designation

Brooks, Model PFS-100TY, 9 Vdc long life manganese dioxide lithium, non-user replaceable battery, silencing/hush facility, interconnectable, ionisation smoke alarm

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

Agent/distributor

Brooks Australia Pty Ltd
4 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Registrant

Brooks Australia Pty Ltd
4 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Producer

Ei Electronics
SHANNON, CO. CLARE, IRELAND

Conformance criteria and evaluation

The Brooks, Model PFS-100TY, 9 Vdc long life manganese dioxide lithium, non-user replaceable battery, silencing/hush facility, interconnectable, ionisation smoke alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 3786-1993, 'Smoke alarms' incl. Amdt 1 (April 1995) / Amdt 2 (December 1995).

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

Kai Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Brooks, Model PFS-100TY, 9 Vdc long life manganese dioxide lithium, non-user replaceable battery, silencing/hush facility, interconnectable, ionisation smoke alarm is a single station, 9 Vdc internally energised dual chamber smoke alarm intended for use in residential premises. The smoke alarm operates by the sounding of a peizo-electric sounder which provides an audible alarm signal when the smoke alarm senses smoke that exceeds the pre-determined alarm level threshold. When the smoke level falls below the alarm level threshold, the peizo-electric sounder is de-energised. A self test facility is provided by means of a test button which electrically simulates the presence of smoke. An alarm signal is emitted while the button is depressed.

The smoke alarm has a long life 9 Vdc battery that is not user replaceable. The smoke alarm will receive power from the internal battery by depressing the "power-on" switch. Indication that the battery is at the end of its service life is provided by a brief sound (fault signal) from the peizo-electric sounder, approximately once every 40 seconds. The fault signal will continue for at least seven days.

Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model PFS-100TY, 9 Vdc long life manganese dioxide lithium, non-user replaceable battery, silencing/hush facility, interconnectable, ionisation smoke alarm and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Sensing element:	Americium 241 0.9 μ C
Internal supply voltage:	long life manganese dioxide lithium battery (made up of three Fuji Novel model CR2/3 8.L cells) which are mounted on a separate PCB (PCB #B12761 Rev 1)
Battery life:	Manufacturer recommended battery life is 10 years
Temperature range:	5°C to 45°C
Interconnection:	A maximum of twelve (12) model PFS-100TY units
Dimension:	140 mm x 125 mm x 45 mm