



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3013	15-Jan-2016	Number 3	Issue date 1-May-2018	30-Apr-2019

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Product designation

System Sensor FFAST XS, Model 7100X, Fire Alarm Aspiration Sensing Technology®

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

Agent/distributor

System Sensor
PO Box 105, GISBORNE, VIC, AUSTRALIA, 3437

Registrant

System Sensor, Ltd
3825 Ohio Avenue, ST CHARLES, IL, UNITED STATES, 60174

Producer

System Sensor, Ltd
3825 Ohio Avenue, ST CHARLES, IL, UNITED STATES, 60174

Conformance criteria and evaluation

The System Sensor FFAST XS, Model 7100X, Fire Alarm Aspiration Sensing Technology® has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.8-1996, 'Automatic fire detection and alarm systems - Multi-point aspirated smoke detectors'.

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.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Compatibility of this fire detector with new or existing control and indicating equipment should be verified prior to installation.

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

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The System Sensor FFAST XS, Model 7100X, Fire Alarm Aspiration Sensing Technology® is a particulate detection system for use in very early warning detection applications, as well as standard detection in harsh environments.

The system continuously draws air from the environment (up to 600 m² (6,458 ft²) through a series of sampling holes to monitor the environment for smoke particulate.

The system conditions are displayed at the user interface and at a fire alarm control panel using relays.

System conditions can also be monitored in two ways through the network interface: integrated web server or PipeIQ software.

The display provides a clear indication of the system status, particulate levels, alarm levels, air flow and fault conditions.

Technical specification

The following details are a representative extract of the technical specification for the System Sensor FFAST XS, Model 7100X, Fire Alarm Aspiration Sensing Technology® and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of properties/characteristics

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

Connection	
Connection type	Conventional
Electrical characteristics	
External supply voltage	18 – 30 Vdc
Average SLC operating current	700 µA
Power reset	1 sec
Relay contact ratings	3.0A @ 30Vdc, 0.5A @125Vac
Environmental ratings	
Operating temperature	0°C (32°F) to 38°C (100°F) – Factory tested to 55°C (131°F)
Sampled air temperature	-20°C (-4°F) to 60°C (140°F)
Humidity	10 to 95% non-condensing
IP rating	IP30

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	XL2962/R2	Evaluation for conformity of the System Sensor Model 7100X FFAST, aspirating smoke detector to abridged requirements of AS 1603.8-1996	11-Nov-2015	CSIRO, Fire Systems and Acoustics, AU
Instructions	SS-600-012 I56-6006-002	INSTALLATION AND MAINTENANCE INSTRUCTIONS FFAST 7100X and 7100XA Fire Alarm Aspiration Sensing Technology®	24-Sep-2015	System Sensor, US