



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3800	1-May-2023	Number 1	Issue date 1-May-2023	30-Apr-2024

Product designation

TITANUS, PRO•SENS®, aspirating smoke detectors

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

Agent/distributor

Ampac Pty Limited
7 Ledgar Road, BALCATTA, WA, AUSTRALIA, 6021

Registrant

Wagner Group GmbH
Schleswigstraße 1-5, LANGENHAGEN, GERMANY, D-30853

Producer

Wagner Group GmbH
Schleswigstraße 1-5, LANGENHAGEN, GERMANY, D-30853

Conformance criteria and evaluation

The TITANUS, PRO•SENS®, aspirating smoke detectors has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.20-2012, 'Fire detection and alarm systems - Part 20: Aspirating 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. Installations and maintenance as recommended by the manufacturer.

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



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Producer's description

The TITANUS, PRO•SENS®, aspirating smoke detectors are used for early fire detection in rooms and facilities.

Air samples are taken from the monitored area using a pipe system with defined aspiration apertures and supplied to the detector module.

This especially applies to areas:

- With high fire risks.
- That require high detection sensitivity.
- Influenced by electromagnetic fields.
- Which are subject to high or low temperatures.
- Where air contamination can be expected and filter elements are therefore required.

The TITANUS, PRO•SENS®, aspirating smoke detectors are used for very large areas and to monitor equipment.

- 1 to 2 detector modules suitable for up to 3,000m² monitoring space.
- Activation sensitivity from 0.0015 %obs/m within a temperature range from -40°C to +60°C depending on the variant.

Technical specification

The following details are a representative extract of the technical specification for the TITANUS, PRO•SENS®, aspirating smoke detectors 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.

Type	Variant		Description
	Ident.	AMPAC Item Code	
Model num.	TP-1/a	7010-1020	Standard variant.
	TP-1-U	7010-9020	Standard variant with outer housing in a flame retardant plastic.
	TP-1-F/a	7010-1120	Freezer variant.
	TP-1-F-U	7010-9120	Freezer variant with outer housing in a flame retardant plastic.
	TP-1-SL	7010-2020	Silent variant.
	TP-1-SL-U	7010-8020	Silent variant with outer housing in a flame retardant plastic.

Schedule of properties/characteristics

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

Parameter	TITANUS PRO•SENS® TP-1/a Standard Variant	TITANUS PRO•SENS® TP-1-SL Silent Variant
	Max. fire alarm sensitivity	0.015 %obs/m
No. of pipe connections	1 – 2 aspiration pipes, da = 25 mm (plus 1 air return)	
No. of detector modules (Zones)	1 – 2	
Max. no. of aspiration holes	2 x 63	2 x 63 (1 x 100 or 2 x 72)
Max. area of coverage	2 x 3,000 m ²	
Max. pipe length	2 x 300 m	
Double-knock alarm verification	optional	
No. of alarm levels per zone	1	
Supply voltage	24 V DC (14 to 30 V DC) according to EN 54-4	
Front indicators	Fault, operation; per zone: 1 alarm	
Current consumption min. Operational (24 V DC, 1 detector module) Alarm	200 mA 210 mA	140 mA 150 mA
Current consumption min. Operational (24 V DC, 2 detector modules) Alarm	220 mA 240 mA	170 mA 180 mA
Operating temperature	-20 °C to +60 °C	0 °C to +40 °C
Sound pressure level (ISO 3744)	As low as 45 dB(A)	As low as 23 dB(A)
Weight (basic configuration)	1.35 kg	1.5 kg
Humidity range	10 % to 95 % (noncondensing)	
Dimensions	292 x 200 x 113 mm	
Material and colour	ABS, papyrus white (RAL 9018)	
Cable entries	5 x M20 and 2 x M25	

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Parameter	TITANUS PRO•SENS® TP-1/a Standard Variant	TITANUS PRO•SENS® TP-1-SL Silent Variant
Terminal connection	Max. 1.5mm ²	
IP rating standard	Standard: IP 20, optional: IP 52	
No. of output relays	4 relays (alarm: form C, fault: normally closed)	
Contact load, max.	1 A, 30 V, max. 24 W	
Detector Type		
DM-TP-50-L	DM-TP-10-L	DM-TP-01-L

Parameter	TITANUS PRO•SENS® TP-1-F/a Freezer Variant
Max. fire alarm sensitivity	0.015 %obs/m
No. of pipe connections	1 – 2 aspiration pipes, da = 25 mm (plus 1 air return)
No. of detector modules (Zones)	1 – 2
Max. no. of aspiration holes	2 x 63
Max. area of coverage	2 x 3,000 m ²
Max. pipe length	2 x 300 m
Double-knock alarm verification	optional
No. of alarm levels per zone	1
Supply voltage	24 V DC (14 to 30 V DC) according to EN 54-4
Front indicators	Fault, operation; per zone: 1 alarm
Current consumption min. Operational (24 V DC, 1 detector module) Alarm	200 mA 210 mA
Current consumption min. Operational (24 V DC, 2 detector modules) Alarm	220 mA 240 mA
Operating temperature	-40 °C to +60 °C
Sound pressure level (ISO 3744)	As low as 45 dB (A)
Weight (basic configuration)	1.35 kg
Humidity range	10 % to 95 % (noncondensing)
Dimensions	292 x 200 x 113 mm
Material and colour	ABS, papyrus white (RAL 9018)
Cable entries	5 x M20 and 2 x M25
Terminal connection	Max. 1.5mm ²
IP rating standard	Standard: IP 20, optional: IP 52
No. of output relays	4 relays (alarm: form C, fault: normally closed)
Contact load, max.	1 A, 30 V, max. 24 W
Detector Type	
DM-TP-50-L-F	DM-TP-10-L-F

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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	XF3233/R2	Evaluation for conformity of the WAGNER TITANUS PRO•SENS®, FUSION®, TOP•SENS® and PRO•SENS® /net Series Aspirating Smoke Detectors to the requirements of AS 7240.20-2012	28-Apr-2023	CSIRO Fire Systems Laboratory, AU
Manual	69-30-0226	Technical manual Fire detection Aspirating smoke detector TITANUS PRO•SENS® WAGNER® 01/2019 (2019-01_en-GB_THB_TITANUS-PRO-SENS® Rev.a.pdf)	16-Dec-2020	WAGNER Group GmbH, DE
Data sheet	68-20-1350	Aspirating smoke detector TITANUS PRO•SENS® Standard and SILENT Version WAGNER® Last revised 03/2020 (TITANUS-PRO-SENS® Data Sheet - Standard & Silent Variant.pdf)	06-Mar-2020	
	68-20-1351	Aspirating smoke detector TITANUS PRO•SENS® Cold Storage Version WAGNER® Last revised 10/2021 (TITANUS-PRO-SENS® Data Sheet - Freezer Variant.pdf)	05-Oct-2021	