



Certificate of Conformity

| Certificate num. | Registration date | Version | Valid until | |
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| afp - 3800 | 1-May-2023 | Number 2 | Issue date 8-Apr-2024 | 30-Apr-2025 |

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Product designation

TITANUS, PRO•SENS®, aspirating smoke detectors

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

Agent/distributor

Ampac Pty Limited
7 Ledger 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



Schedule to Certificate of Conformity

| | | | | |
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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 | |