Aspirating Smoke Detector **TITANUS** *PRO*·*SENS*® Standard and *SILENT*-Version

TITANUS® aspirating smoke detector

The TITANUS® family of aspirating smoke detectors covers standard to very early warning fire detection as well as a wide range of extreme applications without compromising high levels of sensitivity and performance.



Technology

TITANUS *PRO*·*SENS*[®] aspirating smoke detection system combines High-Power-Light-Source (HPLS) technology with patented LOGIC·*SENS*[™] fire pattern recognition algorithms and a large portfolio of custom accessories to ensure that each system will maintain high levels of sensitivity and false alarm immunity even in challenging environments. Its modular design facilitates cost effective solutions for a wide range of specialized requirements. Optional second plug-in detector module allows one aspirating unit to economically monitor two separate areas or alternatively to be used for cross-zoning alarm verification. TITANUS *PRO*·*SENS*[®] comes with dry contacts for connection to any fire panel as well as free slots for inserting bus modules.

Advantages

- Modular design for cost effective solutions to fit the needs on side.
- High reliability and extended service life due to physical separation of disturbing influences such as dust, vapor or radiation from the measuring chamber.
- TITANUS[®] *PipeXpress* software for highly reliable ASD planning with just a few mouse clicks.
- Time-saving Installation and commissioning thanks to plug & play philosophy.
- Discreet installation for maintaining aesthetics and providing safety against vandalism.
- Intelligent diagnostics tool gives support at inspection and service.

Features

- System coverage up to 64,560 ft² (6,000 m²) or rather 32,280 ft² (3,000 m²) per detector module
- High-Power-Light-Source (HPLS) for standard to very high sensitivity
- LOGIC·SENSTM for very high immunity to false alarms
- PIPE·GUARD patented air flow monitoring system, sensing changes in total airflow as little as +/-10%
- Optional 2nd detector module for cross-zoning alarm verification or increased area of coverage
- Up to 984ft (300 m) pipe length and up to 100 holes per detector module
- Designed for harsh environments, with a wide range of accessories for special applications
- Pre-alarm option
- Operating temperature: -4°F to +140°F (-20°C to +60°C) depending on version
- Also available as TITANUS *PRO-SENS*[®] cold storage version

Approvals



Additional approvals on request and/or at **www.wagnergroup.com**



Aspirating Smoke Detector | TITANUS PRO. SENS®

SystemTITANUS PRO-SENS Standard VersionD Basic DeviceTypeTypeTP-1-UMax. Main Alarm Sensitivity0.005 °GMo. of Detector Modules (Zones)2 x 63Max. No. of Aspiration Holes2 x 63Max. Area of Coverage64,560 ft² (6,000 m²)Max. Area of Coverage64,560 ft² (6,000 m²)Max. Pipe Length1 x 9Cross-Zoning Alarm VerificationoptionaNo. of Alarm Levels per Zone4 relays (alarFront IndicatorsFault; Ohernet/SNMP/Data Logger (SD Card)5Binary Data Logger20 mACurrent Consumption min. Operational (1 Detector Module, 24 V DC) Alarm200 mA(2 Detector Module, 24 V DC) Alarm210 mAOperating Temperature Humidity Range-4°F to +140°F (-20°C to + 10%Sound Pressure Level (ISO 3744) Dimensionsas low as 45 dB(A) 3.0 lbs + 0.22 lbsPipe Specification%	consists of the basic device (1), one or two detector modules (2) and an adhesive front film sheet (3). TITANUS PRO-SENS* S/LENT Version TP-1-SL-U oobsc./ft (0.015% obsc./m) 1 or 2 1 x 100 or 2 x 72 1 er system/32,280 ft² (3,000 m²) per zone 80 ft (1 x 300 m) per zone with 2nd detector module 1 1 1 1 1 1 1 2 0 1 or 2 1 x 100 or 2 x 72 1 er system/32,280 ft² (3,000 m²) per zone 80 ft (1 x 300 m) per zone with 2nd detector module 1
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Humidity Range10%Sound Pressure Level (ISO 3744)as low as 45dB(A)Dimensions4.5 x 7.9 xWeight (Basic Configuration)3.0 lbs + 0.22 lbsPipe Specification6	
Sound Pressure Level (ISO 3744)as low as 45 dB(A)Dimensions4.5 x 7.9 xWeight (Basic Configuration)3.0 lbs + 0.22 lbsPipe Specification6	:0 95% (noncondensing)
Dimensions4.5 x 7.9 x 2Weight (Basic Configuration)3.0 lbs + 0.22 lbsPipe Specification0	as low as 23 dB(A) ²
Weight (Basic Configuration)3.0 lbs + 0.22 lbsPipe Specification6	1.5inches (113 x 200 x 292 mm)
Pipe Specification 6	1,350g + 100g) per detector module
	3/64 inches (25mm)
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Ŭ	
2 Detector Modules	
Type DM-TP-50-L-U	DM-TP-10-L-U DM-TP-01-L-U
Weight	0.22 lbs (100 g)
Sensitivity Rating Standard	Medium High
Max. Main Alarm Sensitivity 0.15% obsc./ft	0.03%obsc./ft 0.005%obsc./ft
(0.5% obsc./ft)	(0.10% obsc./m) (0.015% obsc./m)
3 Adhesive Front Film Sheets	
Using 1(2) Detector Modules, Type	

