

## TITANUS PRO•SENS

### Features

- Robust & Efficient High Powered Light Source (HPLS) Detection Technology
- LOGIC•SENS Fire Pattern Recognition Technology
- Freezer Version Operates in -40Deg to +60DegC with No Heater Boxes Required
- A Powerful & Efficient Aspirator Allowing up to 560m of Pipework
- A BlowFree System for Programmed or Automated On-Demand Pipe Clearing
- Modular Plug In Detector Heads for a Customised & Cost Effective Solution & Maintenance
- Dual Detector Ability Allows Separate Monitoring & Reporting of Room & Equipment with One Unit
- Time Saving Installation & Commissioning Via Plug & Play Setup
- Large Capacity 3-Stage Filters with Selectable 1-15 Micron Ratings
- A Large Range of Fittings, Pipework and Sampling Points
- XP95 Interfacing to FireFinder™ and LoopSense™ Fire Control Panels
- FIP Bar Graph Display Module Available & SmartGraphics<sup>HD</sup> Display Integration
- Cost Effective Solutions for Every Application Type

### Description

- TITANUS PRO•SENS® is a universal air sampling device suitable for a broad range of applications. The high degree of modularity of the device makes it possible to achieve a cost-effective solution – customised to suit the specific needs of the customer.
- An additional price advantage comes with the optional equipping of the device with a second detector module. The base PRO•SENS® unit with 2 detector heads fitted (TITANUS PRO•SENS® 2) can be used for separate zone detection of a room and its equipment, or configured as a double knock tripping system. Each detector is completely separate, with no switching or leak between detection zones.
- Also, thanks to its powerful fan operating at up to 560Pa, pipe lengths up to 560m can be achieved with 2 detectors fitted.



Figure 1: TITANUS PRO•SENS®

- TITANUS PRO•SENS® is available with an interface to suit a Conventional System, or an XP95 Addressable on FireFinder™ through to SmartGraphics<sup>HD</sup> display system.

### Applications

The robust TITANUS PRO•SENS® offers an excellent solution for detection in areas where other types of smoke detection have long reached their limits. These include:

- IT Installations & Clean Rooms
- Warehouse, Transport & Logistics Centre
- Cold Storage Facilities
- Libraries & Museums
- Archival Storage Areas
- Production and Assembly Lines
- Hospitals, Hotel Rooms and Saunas
- Recycling areas
- Correctional Facilities
- Rail vehicles and tunnel

**TITANUS PRO•SENS**

**Item Numbers**

<u>Base Units – No Detectors Fitted</u>		<u>Interface</u>
7010-1000	ProSens Base Unit -APID	XP95
7010-1010	ProSens Base Unit-CLI	CONV.
7010-1020	ProSens Base Unit-OEM	RELAYS
7010-1100	ProSens -40 Base Unit -APID	XP95
7010-1110	ProSens -40 Base Unit-CLI	CONV.
7010-1120	ProSens -40 Base Unit-OEM	RELAYS
<u>Detector Heads -20° (Standard) &amp; -40° (Deep Freeze)</u>		
AD-10-5130	ProSens Detector 0.5%	
AD-10-5100	ProSens Detector 0.1%	
AD-10-5115	ProSens Detector 0.015%	
AD-10-5200	ProSens -40°C Detector 0.5%	
AD-10-5190	ProSens -40°C Detector 0.1%	
AD-10-5195	ProSens -40°C Detector 0.015%	
<u>Large Capacity External Filters</u>		
7010-0131	Wagner Filter Box LF-AD	Micron 15
AD-10-0330	Wagner Filter Element LF-AD-E	Micron 15
7010-0132	Wagner Filter Box LF-AD-1	Micron 10
AD-10-0335	Wagner Filter Element LF-AD-ES	Micron 10
7010-0133	Wagner Filter Box LF-AD-2	Micron 5
AD-10-0332	Wagner Filter Element LF-AD-E2	Micron 5
AD-10-2010	*Wagner Filter Pipe SF-400 Short	Micron 1,Short
AD-10-1930	*Wagner Filter Element SF-400	Micron 1,Short
AD-10-2000	*Wagner Filter Pipe SF-650 Long	Micron 1,Long
AD-10-1920	*Wagner Filter Element SF-650	Micron 1,Long
*Allows full flow right up until 100% Capacity. Special order only.		
<u>Tools</u>		
AD-05-0563	Wagner USB Diagnostics Tool - Diag 3/A	
<u>PSU's</u>		

	4510-2110 BX1 ABS	4510-2210 BX10 Metal	4510-2310 BX10 Metal Deep
1 x ProSens @ 6.9V	7A/H	7A/H	7A/H
1 x ProSens @ 9.0V	-	-	12A/H
2 x ProSens @ 6.9V	-	-	12A/H

**Specifications**

Detector Unit :	PRO•SENS®	PRO•SENS® 2
Number of Sensor Modules Fitted :	1	2
Max. Number of Sampling Holes :	32	64
Max. Total Pipe Length Capable :	300m*	560m*
Weight:	1460g	1560g
Current – Start Up Maximum:	300mA	320mA
Current - Quiescent (at 24 VDC)	200mA	220mA
Current - Alarm (at 24 VDC)	210mA	240mA
Operating Voltage:	24 VDC (14 - 30 VDC)	
Tapered Pipe Connectors:	1 x 25mm	2 x 25mm
Detector Dimensions (W x H x D) :	200 x 292 x 113mm	
Housing Colour:	RAL 9018, Papyrus White	
Cabinet Type, Rating :	ABS Plastics IP20 (Optional IP52)	
Temperature-Standard Version:	-20 °C to + 60 °C	
Temperature-DeepFreeze Version:	-40 °C to + 60 °C	
Humidity (Permanent)	10-95% Rel. Non-Condensing	
Cable Entries:	5 x M20, 2 x M25	
Sensor Head Sensitivities:	0.5%, 0.1% and 0.015%	
Interface Types	-XP95 Addressable Loop -Conventional Circuit -Relays	
Alarms	4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2	
Fault Signals	-Air Flow Low -Air Flow High -Processor/Hardware Fail -Ventilator Fail/Air Stabilising	
Alarm & Fault Relay (CLI Version)	1A, 30 VDC max.	
Clamped Connections	Max. 1.0 mm²	
Front Panel Control & Indications:	Collective Fault - Yellow Operational – Green	
Noise level	APID & CLI Versions: Reset & Isolate Controls Detector Isolation – Yellow X 2 Standard & Freezer - 45 dB(A), Silent Version - 23dB(A)	
Event log	-Inbuilt, access thru Diag Tool -FireFinder Logging with APID	
Remote BarGraph Display:	Panel Mounted Display Module	
*The maximum permissible length is pipe branch shape dependant.		