![Ampac logo]

Fire detection and evacuation solutions that save lives.

Titanus Pro•Sens®

- Robust and efficient high powered light source (HPLS) detection technology.
- 'Logic•Sens' fire pattern recognition technology.
- Freezer version operates in -40°C to +60°C with no heater boxes required.
- A powerful and 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 customized and cost effective solution and maintenance.
- Dual detector ability allows separate monitoring and reporting of room and equipment with 1 unit.
- Time saving installation and commissioning via plug-and-play setup.
- Large capacity 3-stage filters with selectable 1-15 micron ratings.
- Range of fittings, pipework and sampling points.
- XP95 interfacing to FireFinder and LoopSense Fire Control Panels.
- FIP Bar Graph Display Module available and SmartGraphicsHD Display Integration.
- Cost effective solutions for every application type.

Product Overview

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.

Titanus Pro•Sens® is available with an interface to suit a Conventional System, or an XP95 Addressable on FireFinder through to SmartGraphicsHD display system.

Titanus Pro•Sens®

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 and Clean Rooms.
- Warehouse, Transport and Logistics Centre.
- Cold Storage Facilities.
- Libraries and Museums.
- Archival Storage Areas.
- Production and Assembly Lines.
- Hospitals, Hotel Rooms and Saunas.
- Recycling Areas.
- Correctional Facilities.
- Rail Vehicles and Tunnels.

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Item Numbers

Base Units – No Detectors Fitted

		Interface
7010-1000	Pro•Sens® Base Unit -APID	XP95
7010-1010	Pro•Sens® Base Unit-CLI	CONV.
7010-1020	Pro•Sens® Base Unit-OEM	RELAYS
7010-1100	Pro•Sens® -40 Base Unit -APID	XP95
7010-1110	Pro•Sens® -40 Base Unit-CLI	CONV.
7010-1120	Pro•Sens® -40 Base Unit-OEM	RELAYS

Detector Heads -20º (Standard) & -40º (Deep Freeze)

AD-10-5130	Pro•Sens® Detector 0.5%
AD-10-5100	Pro•Sens® Detector 0.1%
AD-10-5115	Pro•Sens® Detector 0.015%
AD-10-5200	Pro•Sens® -40°C Detector 0.5%
AD-10-5190	Pro•Sens® -40°C Detector 0.1%
AD-10-5195	Pro•Sens® -40°C Detector 0.015%

Large Capacity External Filters

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.

Tools

AD-05-0563	Wagner USB Diagnostics Tool - Diag 3/A

PSU's

	4510-2110	4510-	4510-2310
1 x Pro•Sens® @ 6.9V	7A/H	7A/H	7A/H
1 x Pro•Sens® @ 9.0V	-	-	12A/H
2 x Pro•Sens® @ 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	300 m*	560 m*
Weight	1460 g	1560 g
Current – Start Up Maximum	300 Ma	320 mA
Current - Quiescent (at 24 V DC)	200 mA	220 mA
Current - Alarm (at 24 V DC)	210 mA	240 mA
Operating Voltage	24 V DC (14 - 30 V DC)	
Tapered Pipe Connectors	1 x 25mm	2 x 25mm
Detector Dimensions	W 200 x H 292 x D 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 APID & CLI Versions: Reset & Isolate Controls Detector Isolation – Yellow X 2	
Noise Level	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.