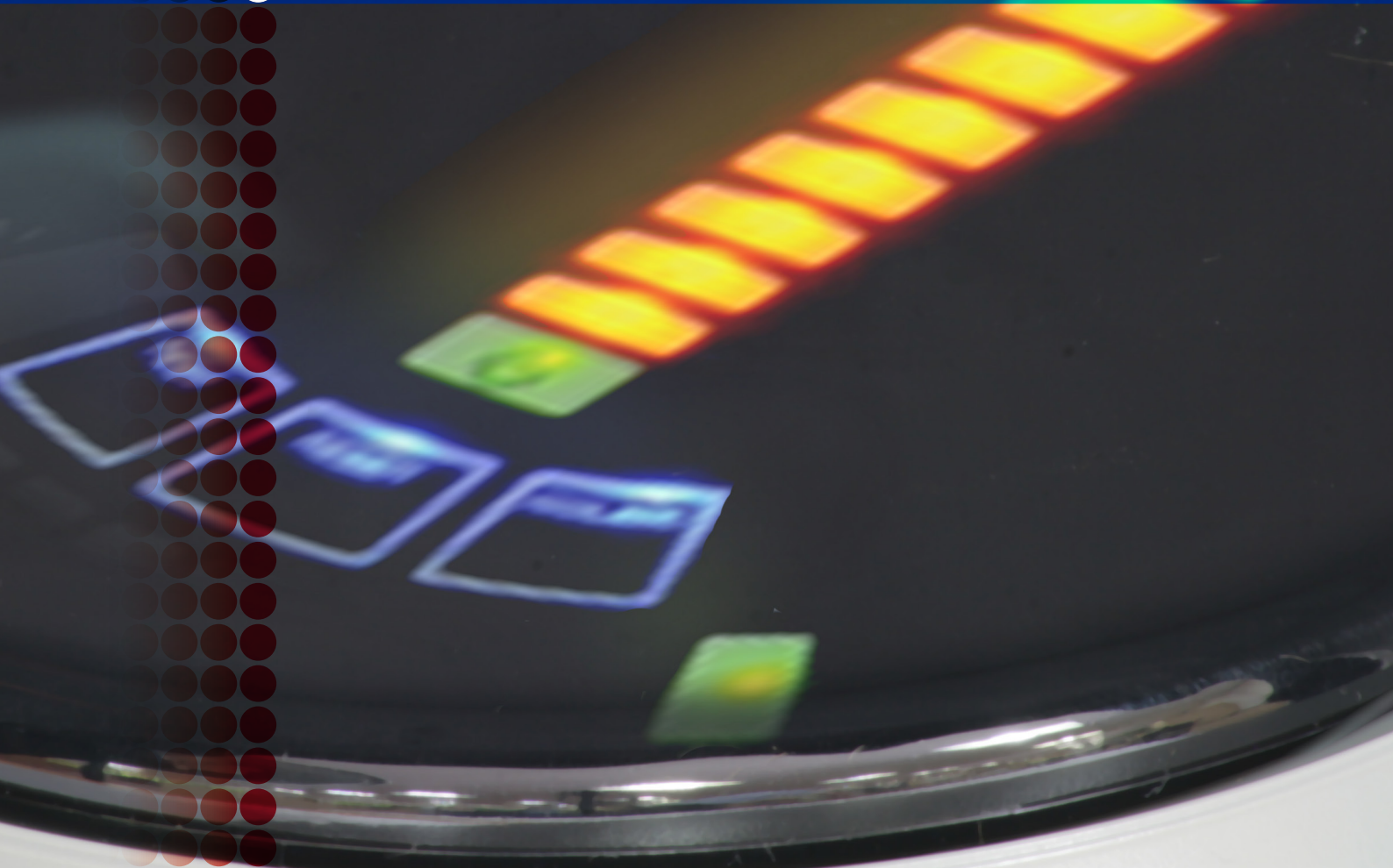




FAAST™



Fire Alarm Aspiration Sensing Technology

*The world's finest
manufacturing facility*

•• System Sensor's European products are researched, designed and manufactured at our 10,000m² state-of-the-art facility in Trieste, Italy. Quite simply, it's the best of its kind. Advanced technology and manufacturing processes coupled with dedicated staff ensure precision manufacturing and incomparable quality control. And 100% testing ensures that nothing leaves our doors unless it's in perfect working order and capable of providing years of trouble-free protection.

We complement this unique offering with a global network of fire systems integration and distribution partners who serve end-users, consulting engineers and specifiers in more than forty countries. All share in our business expertise and, of course, our passion for perfection.

Dual Vision. One Focus.

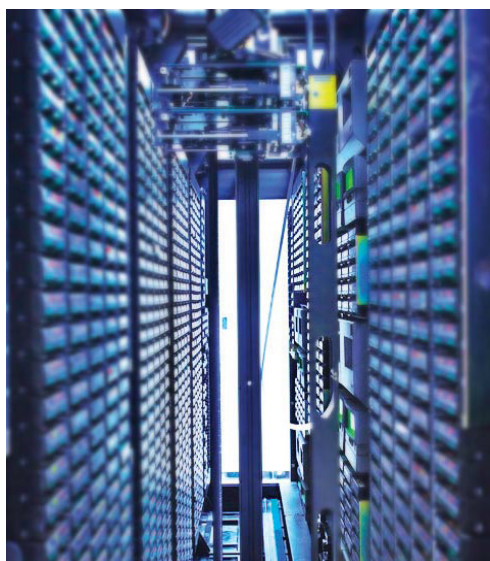
When very early warning fire detection is essential

- FAAST is a ground breaking aspiration solution designed to deliver highly accurate and discrete early warning fire detection. Using unique dual vision technology and intuitive features that allow access to data from anywhere in the world, the product outperforms other aspiration systems on the market.

FAAST not only delivers zero false alarms, zero downtime and 100% business confidence, integration into the main fire system reduces the overall cost of maintenance.

FAAST Applications

FAAST has one focus. To protect people, mission critical facilities and high value assets from the faintest traces of smoke, in a wide range of challenging environments.



Mission Critical

For these environments, there is no downtime. Every second lost, every transaction missed, any data or equipment destroyed can mean huge financial losses. FAAST alerts facility managers hours, even days before the first indication of system trouble – helping them keep their mission critical facilities up and running 24/7 and preventing unnecessary activation of suppression systems.

Discrete Detection

When aesthetics matter, such as in museums, churches or mansions, FAAST provides a discrete smoke detection solution that is nearly invisible to the public. At the same time, it provides the earliest and most accurate smoke detection available to protect high-value items from fire.

Restricted Access

Some fire systems must protect areas such as prisons and public spaces, where there is a concern for tampering. The FAAST device can be mounted in a secure area while air sampling points are located in the protected environment minimising the potential for tampering.

Public Protection

In large public areas like shopping centres, airports, or stadiums, evacuations can be difficult. FAAST provides highly accurate fire detection for these areas to avoid nuisance alarms and various alert levels to enable an appropriate and informed response to any situation.

Extreme Environments

Some areas, like cold storage facilities or spaces with high-airflow, have environmental conditions outside the tolerance of typical fire detection technologies. Because the FAAST device can be mounted at a temperate, easy-to-access location while sampling points can be located in the extreme environment, it enables reliable fire detection for areas with challenging conditions.



FAAST Delivers

Dual Vision. One Focus.

FAAST's dual vision sensing technology uses a blue LED to detect a wide variety of fires with extremely low concentrations of smoke and an infrared laser to identify nuisances (like dust) which can cause false alarms and downtime. Advanced algorithms interpret signals from both sources to meet one single focus — to protect your facility, people and assets with the earliest and most accurate smoke detection available.

Quick Set-Up

FAAST's all-in-one system configuration and monitoring software, *PipeIQ™*, guides you through initial pipe layout and system configuration. Once the system is installed, it enables ongoing configuration and system monitoring from anywhere in the world, via the Internet, using FAAST's onboard Ethernet connection. The *PipeIQ* software is included with FAAST.

Intuitive Data

FAAST provides you with the data you need to manage your environment. It includes 5 alarm levels, 10 pre-alarm particulate levels and a 10-level airflow pendulum which verifies that air is flowing effectively through the pipe network. It also includes a full range of fault indications. All of this information can be read quickly and easily on the device's intuitive integral display* or through a variety of remote devices.

*Multiple language cards available. See Ordering Information.

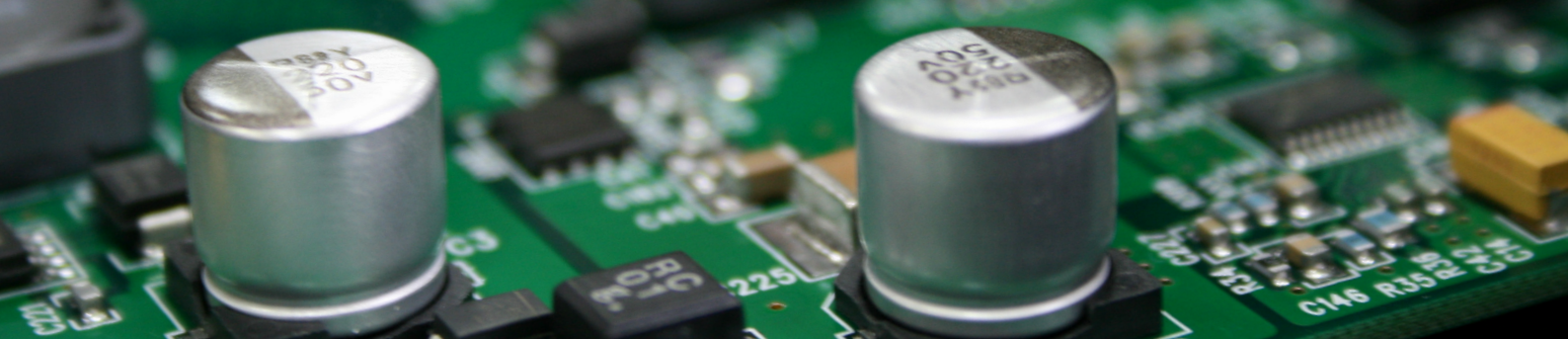
Stay Connected

If there is a situation at your facility, you need to know about it instantly. FAAST's unique onboard Ethernet interface enables you to monitor the detector from any Internet browser, smart phone or mobile device with VPN capability. You can also configure the detector to deliver e-mail status updates to appropriate personnel. This means you will be advised of whatever you need to know to protect your facility — no matter where you are.

Features

- Detection as precise as 0.00046 %/ft obscuration
- Five alarm levels and two sensitivity modes provide application flexibility
- Dual flow detection including both ultrasonic and electronic sensing for pipe and chamber air flow measurement
- A single device protects up to 2,000 square metres
- Advanced detection algorithms reject common nuisance conditions
- Patented particle separator and field-replaceable filter remove contaminants from the system
- *PipeIQ™* software provides intuitive system layout, configuration and monitoring all in one package
- Integral Ethernet interface enables remote monitoring and e-mail status updates
- Fault indicators provide a broad spectrum of events
- Unique air flow pendulum graph verifies pipe network functionality
- Particulate graph displays subtle environmental changes for early problem indications





The Aspirating Detection System

The FAAST™ solution for Aspiration detection.



Physical Specification

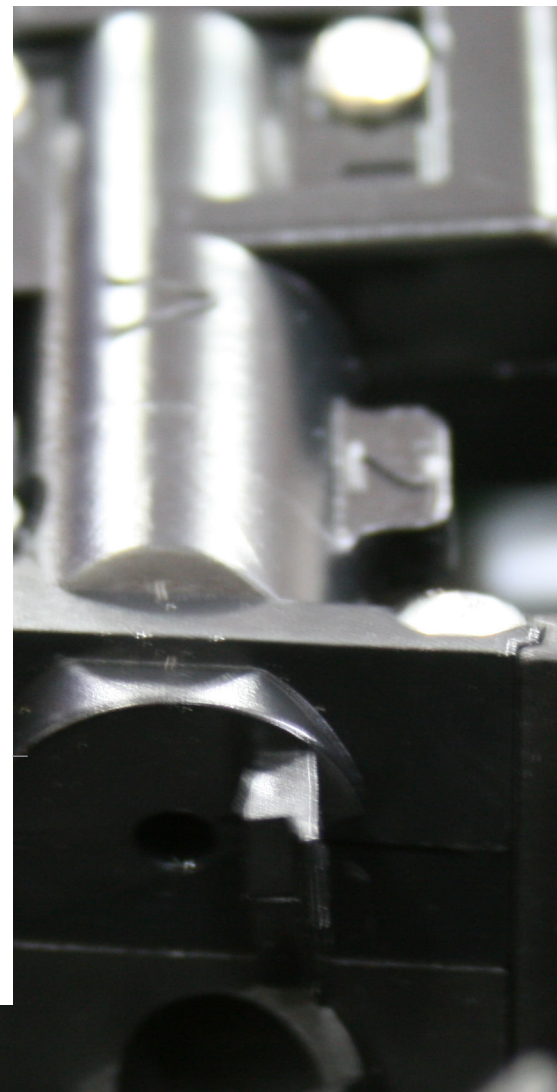
Height	33.7 cm (13.25 inches)
Width	33 cm (13.0 inches)
Depth	12.7 cm (5.0 inches)
Cable Access	2.54 cm cable entry holes on top and bottom of unit
Wire Gauge	12 AWG (2.05 mm) max. to 24 AWG (0.5 mm) min.
Maximum Single Pipe Length	120m (390ft)
Maximum Branched (2) Pipe Length	2 x 100m (328ft) of pipe or 4 x 90m (295ft) of pipe
Maximum Air Inlet Holes	36 holes
Network Outside Pipe Diameter	25 mm (.98 inches)
Internal Pipe Diameter	15-21 mm (0.591 to 0.827 inches)
Sensitivity Range	0.00151 %/m. obs – 13.1 %/m. obscurity
Relays	8 form C, 3 AMP, programmable latching or non-latching
Event Log	18,000 events stored
Communication Network	Ethernet monitoring, 6 E-mail address alerts
Shipping Weight	3.8kg (8.5 lbs), includes packing material

Electrical Specifications

External Supply Voltage	18-30 VDC
Remote Reset Time	External monitor must be pulled low for a minimum of 100 ms
Power Reset	1 sec.
Avg. Operating Current	500 mA @ 24 VDC
Alarm	650 mA – All relays active, all alarm levels displayed. Voltage @ 24 VDC
Maximum Current Draw	650 mA Voltage at 18 VDC

Environmental Specifications

Operating Temperature	0°C (32°F) to 38°C (100°F)
Sampled Air Temperature	-20°C (-4°F) to 60°C (140°F)
Humidity Range	10 to 95% (non-condensing)
IP Rating	IP30
Coverage Area	Up to 2000sq. m (20,000 sq. ft.)
Air Movement	0-1,219 m/min. (0-4,000 ft./min.)





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