

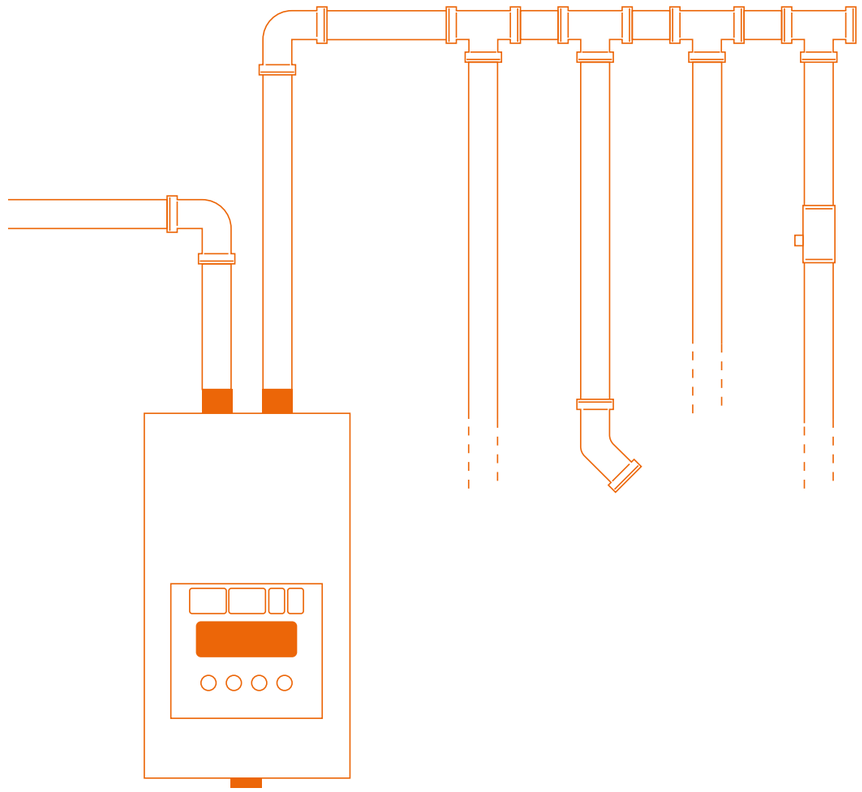
Aspirating smoke detectors

See the data sheet online

Advanced systems based on continuous aspiration of air from the protected ambient

Aspirating smoke detection systems, thanks to their sensitivity and the possibility of installation outside the area to be sampled and the possibility of adding filters and condensate traps, lend themselves to a series of applications in which the installation of detectors with different technologies would be difficult.

Inim offers a range of detectors with unique characteristics that can be connected directly to addressable control panels for fully centralized control.



FA100

AVAILABLE FROM
JANUARY 2024

Aspirating smoke detector

The two channels are completely independent except for the aspirating fan which they share. Each of the two sampling pipes (channels) can be configured independently in class A, B or C, can reach a maximum distance of 100m and can support a number of sampling holes equal to 8 in class A, 16 in class B, 50 in class C.

The sampling modules are based on dual light technology that uses two distinct light sources (infrared and blue) capable of evaluating the size of the detected particles and of providing a prompt response in the event of an outbreak of fire whilst offering a high rejection of false alarms caused by dust or mist. Each of the detector modules is capable of measuring the flow rate of the aspirated air and of signalling a fault if this deviates from the value set when activating the system (clogged sampling holes or breaks in the sampling duct).

The detector can be connected to Inim addressable fire control panels by connecting it directly to the loop (the power supply voltage must be supplied separately) thus transferring all the signals and control to the control panel, or it can be connected to any control panel, even conventional, thanks to its relay outputs (6) and its I/O terminals (4).

FA100 ASPIRATING SMOKE DETECTION SYSTEM

Expandable channels
Aspirating smoke detection systems with one or two channels.

Instant
Immediate response to the start of fire and high false alarm rejection.

Configurable detector
Each detector configurable in class A, B or C as per EN54-20 standard.



Independent channels
Independent channels with shared suction fan

Flexible
Interchangeable internal detectors.

Advanced technology
Technology of dual light detectors for the identification of the particle dimensions.

Accessories for FA100 detectors



FAD100
Detection module for dual-channel expansion



FA100-WIFI
Wi-Fi Interface module, can be configured as hotspot or can be connected to the existing Wi-Fi system.



FA100FILTER
Replacement mesh filter for FAD100 detectors, 10 pack.



FA/STUDIO

Sizing and configuration software for FA100

The FA/STUDIO software, downloadable from the Inim website, allows both the design and sizing of the network of aspirating pipes of the FA-100 system as well as the configuration and putting in service of the installed devices.

The design section, based on a 3D CAD system, allows the importation of Autocad files on which it is possible to draw the aspirating pipe network. The software assists the designer by indicating the areas of coverage of each hole and of any limits and constraints.

Once the sampling network has been designed, the software performs the fluid dynamics calculations specifying the diameter of each hole, the parameters to be set on the device and indicating the sensitivity and transport time of each sampling point.

A practical customizable list of materials is generated in order to allow the forwarding of the order.

The FA-STUDIO software includes the configuration functions of the FA-100 devices which allow adjustment and customization of all the system parameters.

Finally, a series of essential diagnostic functions allows the verification of the system parameters in real time and access to the detector memory containing all the values (Smoke, flow, temperature, etc.) sampled every few seconds over the last 3 months of operation, all the events (alarms, faults, etc.) detected are highlighted on these diagrams.



Stratos

The aspirating smoke detectors of the STRATOS series offer a wide range of solutions for ambients of different types and dimensions. Based on laser detectors they ensure timely and reliable detection.

IN30725
MICRA 10 ASPIRATING SMOKE DETECTOR

CE-CPR EN54-20



The highly reliable Micra 10 is a compact, installation-friendly aspiration system capable of detecting smoke at the incipient stage of fire. The 'Classifire' algorithm implemented inside is capable of automatically optimizing the sensitivity of the detector to suit the environment where it is installed, thus eliminating the need for complex calibration operations. Thanks to its output relays (dry contacts) this device is compatible with all fire detection system.

IN30671
MICRA 25 ASPIRATING SMOKE DETECTOR

CE-CPR EN54-20



Micra 25 maintains all the distinctive features of Stratos (ClassiFire® Perceptive Artificial Intelligence Dual TechnologyLDD 3D3). Micra 25 is the most cost-efficient way of creating a laser-based aspirating system. In fact, it is capable of drawing air from the protected area through a sampling pipe of up to 50 m long. Micra 25 is suitable for installation in small applications or rooms which require individual incipient fire reporting.

IN30672
MICRA 100 ASPIRATING SMOKE DETECTOR

CE-CPR EN54-20



Micra 100 is suitable for small to medium applications. It is capable of drawing air from the protected area through two sampling pipes for a total length of 100mt.

N30436	Relay board for Stratos Micra
IN30755	Dust filter for Stratos Micra

TECHNICAL SPECIFICATIONS	MICRA 10	MICRA 25	MICRA 100
Power supply voltage:	21.6 - 26.4 V DC		
Current draw:	Max 250 mA @ 24 V		Max 400 mA @ 24 V
Operating temperature:	-10° ... +60° C		
Humidity:	0 - 90% without condensation		
Maximum pipe length:	50 m		100 m
Sampling pipe diameter:	3/4" (27 mm Ø external)		
Pipe inlet:	1		2
Exhaust pipe to expel the sampled air:	1		
Maximum number of sampling holes:	10		25
Detection levels:	Alarm, Early warning		
On-board relays:	Early warning, Alarm, Fault		
Protection grade:	IP50		
Dimension:	220 x 144 x 90 mm		300 x 220 x 85 mm
Weight:	1.7 Kg		3.8 Kg

STRATOS HSSD2
ASPIRATING SMOKE DETECTOR

CE-CPR EN54-20



Stratos HSSD is capable of drawing air from the protected area through four sampling pipes of up to 100mt each, for a maximum total length of 200mt. It is equipped with keypad and display and provides information regarding system operating status and eventual alarm conditions.

IN30621 Aspirating system HSSD 2
IN30699 Dust filter for Stratos HSSD2

TECHNICAL SPECIFICATIONS

Power supply voltage:	21.6 - 26.4 V DC	**Dimension:**	427 x 372 x 95 mm
Current draw:	Max. 450 mA @ 24 V	**Weight:**	5.2 Kg
Operating temperature:	-10° ... +60° C	**Protection grade:**	IP50
Humidity:	0 - 90% non condensing		
Maximum pipe length:	100 m		
Sampling pipe diameter:	3/4" (27 mm Ø external)		
Pipe inlet:	4		
Exhaust pipe to expel the sampled air	1		
Maximum number of sampling holes:	100		
Detection levels:	Alarm, Early warning		
On-board relays:	Early warning, Alarm, Fault		

STRATOS MODULASEAR
ASPIRATING SMOKE DETECTOR

CE-CPR EN54-20



ModuLaser is a scalable and modular aspirating smoke detector. The detector is based on a control module available in three versions: Standard with TFT colour display, status LEDs and navigation buttons; Minimo with only status LEDs and Command which is similar to Standard but with the added capability to control various modules on SenseNET. A maximum of 8 detector modules can be combined with the control module, each detector module can accommodate up to 250 meters of combined sampling pipe.

9-30780 Stratos ModuLaser - Minimum display module
9-30781 Stratos ModuLaser - TFT display module
9-30782 Stratos ModuLaser - Command module
9-30783 Stratos ModuLaser - Detector module

TECHNICAL SPECIFICATIONS

Power supply voltage:	18 - 30 V DC	**Dimension:**	300 x 135 x 110 mm
Current draw:	Max. 940 mA @ 24 V	**Weight:**	1.5 Kg
Operating temperature:	-10° ... +60° C	**Protection grade:**	IP50
Humidity:	0 - 90% non condensing		
Maximum pipe length:	150 m		
Sampling pipe diameter:	3/4" (27 mm Ø external)		
Pipe inlet:	4		
Exhaust pipe to expel the sampled air	1		
Maximum number of sampling holes:	20 (A) / 40 (B) / 50 (C)		
Detection levels:	Alarm, Early warning		
On-board relays:	Early warning, Alarm, Fault		

Sampling pipes for aspirating systems

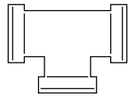
EN61386 -1



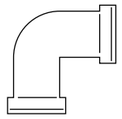
TUBOABS0250M
25 mm external Ø pipe
3 m bar
25 bars package



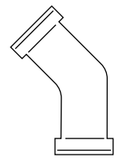
SASO100250RS
Coupling sleeve
external Ø 25 mm
10 pcs package



SATE400250RS
T-derivation
external Ø 25 mm
10 pcs package



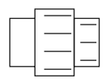
SABE300250RS
90° bend
external Ø 25mm (large radius), 10 pcs package



SAEY500250RS
45° Elbow
external Ø 25 mm
10 pcs package



SACA700250RS
Pipe end cap
external Ø 25 mm
10 pcs package



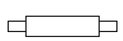
SAUN800250RS
Openable joint sleeve
external Ø 25 mm
10 pcs package



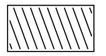
STS25REDK
Hose clip
external Ø 25 mm
50 pcs package



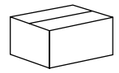
SGLUEN0250 / SGLUEN0500
Sealing glue
250 ml or 500 ml package



GC025
Telescope add-on with 200mm extension D.25mm



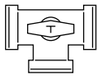
17250019050
Flexible spiral pipe
external Ø 25 mm
10 m roll



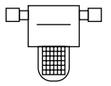
CAPKIT2510SR
Kit for the creation of a sampling capillary comprising:
"T"-derivation for 25 mm external Ø pipes with derivation for pipes external Ø 10 mm
- 1 d.3/8" x 28 - L.35 mm bulkhead internal Ø 10 mm
- 1 d.3/8"G gasket



MPE1008025M-R
Red Flexible pipe
external Ø 10 mm
for sampling capillaries
25 m roll



2510025
3-way ball valve
pvc/epdm for pipes
external Ø 25 mm



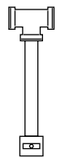
504F075ABS
Medium F0.75 filter holder, 3/4" threaded connections, complete with fittings and RL5 cartridge.



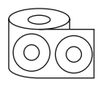
AAD12025CRS
Male/Female fitting
from 3/4"G to 25 m
Necessary to adapt the 504F075ABS filter to 25 mm external Ø pipes



ASO15025CRS
Sleeve for 3/4" pipe fitting with 25 mm external Ø pipes.



WT025
Condensate trap for applications in which the sampled environment is particularly cold compared to the environment where the detector is installed. Includes the "T"-derivation, valve and collection tube.



LABEL23X10
Roll of 200 sampling point labels with written: ASPIRATING POINT