

# Stratos<sup>®</sup> Micra 100



## High Sensitivity ~~Smoke Detector~~ Smoke Detector

THE INTELLIGENT CHOICE FOR ASPIRATING SMOKE DETECTION



THE QUEEN'S AWARD  
FOR TECHNOLOGICAL  
ACHIEVEMENT



THE QUEEN'S AWARDS  
FOR ENTERPRISE:  
INTERNATIONAL TRADE  
2002



## Stratos-Micra 100 - aspirating High Sensitivity Smoke Detector

All Stratos-HSSD® detectors in this product range use the acclaimed combination of laser forward light scattering and the unique Perceptive Artificial Intelligence system - ClassiFire®. The three products above are of identical sensitivity capability, but vary in the recommended amount of sampling pipe. They are designed for the protection of differing capacity areas, or for incorporation into larger fire detection systems with a combination of appropriate detection devices and technologies.

The Stratos-Micra 100 detector is designed to compliment the AirSense range of aspirating detectors. Since its introduction, the Stratos-Micra 25 detector has proven a world-beater in terms of localised incipient fire detection. Now the concept has been extended to permit a maximum recommended sampling pipe length of 100 metres.

The system is fully compatible with all other Stratos detectors and ancillary devices such as remote bargraph displays and the Command Module for interconnection of large quantities of Stratos detection devices. The Stratos detectors are directly compatible with a range of addressable detection panels from a growing list of international manufacturers.

Stratos-Micra 100 SPECIFICATION	
Supply Voltage	21.6V - 26.4V DC
Size	300W x 180H x 85D
Weight	3.7kg
Operating temperature range	-10 to +60°C
Operating humidity range	0 - 96% non-condensing
Sensitivity range (%Obs/m)	Min = 25% Max = 0.03% FSD
Maximum sensitivity resolution	0.003% obscuration per metre
Detection principle	Laser light scattering mass detection and particle evaluation
Particle sensitivity range	0.003µ to 10µ
Dust discrimination principle	Digital Spike Elimination
Current consumption	400mA @ 24V DC
Maximum sampling pipe length	100m
Sampling pipe internal diameter	7.5-22mm
Chamber service intervals	Greater than 8 years (dependent on environment)
Dust separator replacement intervals	Typically 3 years (dependent on environment)
Laser lifetime (MTTF)	greater than 1000 years
Programming	PC or Command Module
Data bus cable	RS485 data cable
Maximum data bus length between isolators	1.2 km



Quality system cert. no. 404  
Assessed to ISO 9001



AirSense Technology Limited

71 Knowl Piece • Wilbury Way  
Hitchin • Hertfordshire • SG4 0TY

Tel: +44 (0)1462 440666 • Fax: +44 (0)1462 440888  
e-mail: sales@airsense.co.uk • www.airsensetechnology.com

AirSense France  
e-mail: airsensefr@cison.fr

AirSense Oy  
e-mail: matti.valtonen@airsense.inet.fi

AirSense Engineering SDN BHD  
e-mail: airsense@po.jaring.my

AirSense SEC  
e-mail: airsense@unitel.co.kr

AirSense (China) Technology Co. Ltd  
e-mail: jim.chen@go-dex.com

AirSense Thailand  
e-mail: power@sitem.co.th