

PRODUCT INFORMATION SHEET

Actual status: 20.04.18



LASER SMOKE ASPIRATION SYSTEM MICRA 100

VdS-approval G 209217

Micra 100

Part-No.: 31476



Intelligent active laser - smoke aspiration detector for earliest detection of fires in sensitive and extreme contaminated areas e.g. EDP-control room, hospital operating room, storage area, incineration plant, etc.

- Integrated automatic adjustment of the detector to the ambient conditions via intelligent teach in modes
- Intelligent laser sensor technology with consideration of ambient conditions for fast detection in difficult environments
- Highest reliability by optimal adjustment of the alarm threshold via intelligent algorithm for the fire detection
- Unwanted alarms from dust are avoided using patented Dual Technology LDD 3D3, Laser dust discrimination and elimination system
- Automatic day-/night mode for the adjustment from and to temporally different ambient conditions
- Integrated fast learn for the automatic configuration of the system
- Special integrated technology for the elimination of influences by pollution (dust etc.)
- Integrated dust filter
- 2 sampling pipes, up to 100 m maximum length:
- Sampling holes Class C: 20 pcs; Class B: 20 pcs; Class A: 20 pcs
- 1 recirculation pipe for the compensation of the intrasystem pressure gradient
- Integrated RS 485-interface for the network of up to 127 participants
- External voltage supply required
- Connection to the Loop 3000 via IOM
- Including mounting base and connection flange for the recirculation pipe

Technical Data

Supply Voltage	21,6 V to 26,4 V DC externally
Current consumption	400 mA at 24 V DC
Protection class	IP 50
Ambient temperature	-10°C to +60°C
Humidity	max. 90% (not condensing)
Sensitivity	Adjustable from 0,03 to 25% obs/m
Particle sensitivity	0,0003 µm to 10 µm
Dimensions (H x B x T)	200 mm x 293 mm x 83 mm
Pipe diameter	3/4"
Weight	3,7 kg
Material	Cast aluminum, ABS
Colour	Housing light grey
Standards	DIN EN 54-20
VDS-approval	G 209217
System-approval	S 216001
CE-CPD-Number	0832-CPD-0982
Remarks	Accessories: Relay board (part-no. 32236) with 5 potential free relay outputs, 4 for „alarm“ 1 for „fault“ Manufacturer Airsense Technology Ltd. Stratos Micra 100 Aspiring smoke detector for use in fire detection and alarm systems)