

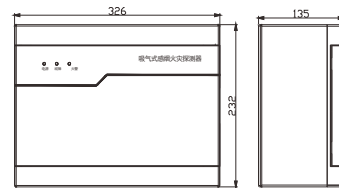
Aspirating smoke detector (ASD)

Aspirating smoke detector is a highly sensitive fire protection device designed to identify incipient combustion at the earliest stage of fire development. It comprises two core components: a centralized controller and a networked sampling pipeline.

The controller generates a continuous vacuum to actively draw air samples from the protected zone through the pipeline, analyzes the concentration of the smoke particle, and alarms when reaching its threshold. And the sampling pipeline consists of multi-port sampling pipe and pipe fittings, distributed across the monitored area.



- Certificate: ISO
- Standard: EN 54-20, GB 15631
- Feature: High sensibility, bus communication
- Temperature: -10°C to 55°C
- Humidity: 5% to 95%, non-condensing
- Altitude: 0 m ~ 4000m
- Installation: Wall mounting



Main parts and material

Controller (Main unit)	Laser cavity, sensitivity 0.005 ~ 20% obs/m, level 2 filtration	Sampling pipeline	Pipe OD 25 x ID 21 mm, with sampling hole 2 mm per distance 20 m, supplied with elbow, tee, plug, etc.
Aspirating device	Built-in compression pump, with filter screen	Other accessories	Pipeline cleaning unit

Available size

Operating voltage	Sampling channel	Sampling pipeline length (m)	Protected zone	Protected area (m ²)	Dimension W x H x D (mm)	Ref. No.
24 VDC	2	Max 200	1	Max 1000	326 x 232 x 135	AE7101 (ISO)
24 VDC	4	Max 400	1	Max 2000	326 x 232 x 135	AE7102 (ISO)
24 VDC	4	Max 400	4	Max 2000	326 x 232 x 135	AE7103 (ISO)