

AirSentry® II

Mobile AMC Detection System



FEATURES

- Mobile cart – move the system quickly to high-priority sample locations
- High-sensitivity AirSentry II IMS analyzers detect acids, amines, ammonia, and chlorides
- Onboard compressor, air-dryer, chemical filter, and vacuum pump
- Battery back-up enables over 30 minutes of uninterrupted sampling, even during transport
- Touch PC and software allow real-time graphing and data storage
- Optional wireless data communication

BENEFITS

- Pinpoint AMC issues in real time, by identifying contamination sources
- Characterize AMC concentrations in multiple areas of large cleanrooms
- AMC analyzers available when and where needed – deploy anytime
- Real-time and historical concentration display

Designed to enhance fixed AMC monitoring programs, the AirSentry II Mobile AMC Detection System is the first truly mobile system for monitoring airborne molecular contamination in cleanrooms. Mobility plays an important part in a strategic AMC monitoring program, allowing contamination sources to be quickly located, quantified and eliminated.

A local touch PC on the mobile cart provides instant feedback of AMC levels at each monitoring location. Facility Net software provides data storage and graphical displays in real-time while monitoring the specific environment.

Onboard, chemically filtered, clean dry air (CDA) and vacuum are supplied within the cart enclosure to ensure that the analyzers can sample immediately upon relocation without long analyzer warm-up times incurred by competitive systems.

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Specifications

Cart size (l, w, h)	39.4 x 25.6 x 49.6 in (100.0 x 65.0 x 126.0 cm)	
Weight	311 lb (141 kg)	
Analytical wetted surfaces	Teflon, electropolished 316 stainless steel	
CDA quality	< -60 °C dew point, chemically filtered	
CDA capacity	> 800 cc/min for > 30 minutes	
Working time (fully-charged/pressurized)	≥ 30 minutes	
Bypass CDA inlet (low vibration mode)	1/4" Swagelok	
Vacuum	25 kPA (absolute), 1,500 cc/min	
Available analyzers (LDL – Lower Detection Limit 3 σ)	AirSentry II Acids, 0 – 50 ppb _v AirSentry II Amines, 0 – 50 ppb _v AirSentry II Ammonia, 0 – 50 ppb _v AirSentry II Chlorides, 0 – 50 ppb _v	LDL = 0.2 ppb _v LDL = 0.2 ppb _v LDL = 0.2 ppb _v LDL = 0.5 ppb _v
Temperature range	Operating	59 – 82 °F (15 – 28 °C)
	Storage	-40 – +122 °F (-40 – +50 °C)
Humidity range	Operating	30 – 50% RH
	Storage	0 – 90% RH
Communication and data transfer	Ethernet, USB	
Software	Facility Net and AirSentry II Service Software	
Operating system	Microsoft Windows® 7	
Utility requirements:	115 VAC, 60 Hz	
User-supplied power (single phase)	230 VAC, 50 HZ	
CE-Declaration of Conformity	CE-certified	

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