

## AMC-AIMS



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Airborne Molecular Contamination AIMS detector was developed by MaSaTECH in order to detect pollutants at concentration below 100 ppt. The instrument is excellent for 24/7 **Ammonia** monitoring, **Amines** monitoring, **Total Acids** monitoring as well like for **selective acids** (HCl, HF, Cl<sub>2</sub>...) monitoring.

The AMC-AIMS is **non radioactive** Ion Mobility spectrometer that cover all requirements for clean room monitoring. The **integrated PC** allow instrument to work as stand alone device or can be independently controlled by TCP/IP port. The multipoint sampling is also possible by this device.

The **integrated sampling pump** making operation of the instrument more easy as it is enough just to plug-in a CDA and room monitoring can start.

Except other features have AMC-IMS integrated also **mass flow controller** and **pressure sensor for IMS drift tube**. This allows absolute control of target peak position and zero peak position shift.

### Applications

**Real time Detection and Quantification**  
Total Acids, Chlorides Ammonia and Amines

**Etch process - Real time Acids monitoring**

**Lithography - Real time ammonia and amines monitoring**

**Clean Room - Real time AMC monitoring**

### Features

**Non Radioactive ion mobility spectrometer**

**Highest Sensitivity < 100 ppt**

**Possibility of multipoint analysis**

**High Selectivity possibility to distinguish individual acids**

**High Peak Position Stability**

### Benefits

**Non Radioactive**

**All Accessories Integrated including sampling pump and process PC**

**Airborne Molecular Contamination by MaSaTECH****Performance**

<b>Sample Gas Flow</b>	600mL/min
<b>Sensitivity</b>	< 100 ppt
<b>Detection range</b>	0.1-50ppb
<b>Response time</b>	<3min T90
<b>Clear Down time</b>	<3min T90
<b>Dimensions (cm)</b>	17.7 x 44.8 x 37.5
<b>Integrated sampling pump</b>	yes
<b>Integrated PC</b>	yes
<b>Communication</b>	TCP/IP
<b>External Screen connector</b>	HDMI

**Requirements**

<b>Power supply</b>	100-250V
<b>Clean Dry Air (CDA)</b>	1000mL/min, -60°C dew point