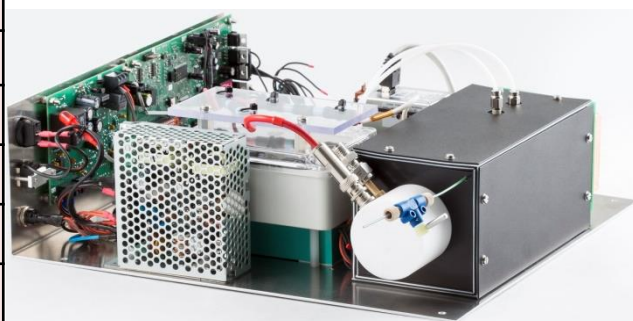
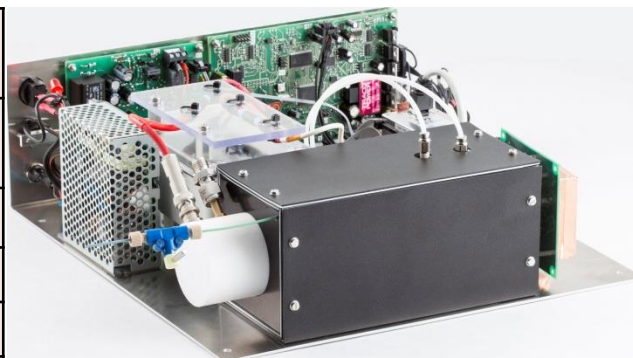


OEM Advanced Ion Mobility Spectrometer

MaSaTECH **OEM- AIMS** Module is full-power analytical instrument. The module is ideal for users who have interest to integrate IMS to them solution. The **OEM Advanced Ion Mobility Spectrometer** offers wide range of setups. It is ideal for users, who are interested in powerful analytical instrument with requirement on integration. The **OEM-AIMS Module** presents all advantages of **IMS** technique. All operation parameters are fully adjustable by the user, making this instrument suitable for integration to various analytical applications as well like for clean room monitoring in semiconductor industry.

Drift Tube Working pressure/ Adjustable	600-1100 mbar
Drift Tube Operation temperature / Adjustable	30-100 °C
Resolving power	80 FWHM
Sensitivity	ppt-ppb
Drift gas flow	500-1300 ml/min
Drift gas quality	<i>Purified Air/ N₂</i>
Sample gas flow	2-500 ml/min
Drift field intensity	200-560 V/cm
Polarity	Positive/Negative
Ionization source	Corona Discharge
Power supply	24V
Response time	< 1 seconds
Communication	USB 2.0 / TCP-IP
Dimensions (mm)	350x320x115



Main advantages of **OEM-AIMS** are:

- High sensitivity
- **Real time response**
- High resolving power
- **Non-radioactive** plasma ionization source
- integrability
- Simple calibration

OEM - AIMS is designed for:

- Fast monitoring
- Contaminants detection (**Ammonia, Acids...**)
- Trace gases detection
- **VOC/TOC monitoring**
- Environmental monitoring
- Indoor/Outdoor air quality monitoring
- Chemical analysis
- Interface to GC or to MCCGC