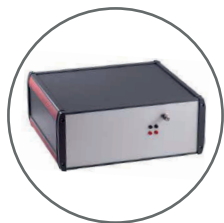




PORTABLE ADVANCED ION MOBILITY SPECTROMETER -PAIMS



Portable AIMS is small compact analytical instrument. The AIMS engine, AIMS control unit, two digital mass flow controllers and pressure controller are integrated in the box. The Portable Advanced Ion mobility spectrometer offers wide range of setups. It is ideal for users, who are interested in powerful analytical instrument with requirement on portability. The PAIMS presents all advantages of ion mobility spectrometry technique. All operation parameters of PAIMS are fully adjustable by the user, making this instrument suitable for research in laboratories as well as for direct application in the industry.

Working pressure	600 - 1200 mbar	Polarity	Positive/Negative
Working temperature	30 - 100 °C	Ionization source	Corona Discharge
Resolving power N ₂ /Air	70/60 FWHM	Pre-separation	MCC - GC
Sensitivity	ppb	Power supply	24V
Drift gas flow	500 - 1200 ml/min	Connectivity	USB 2.0
Sample gas flow	5 - 500 ml/min	Dimensions (mm)	352x305x142
Drift field intensity	200 - 560 V/cm		



MAIN ADVANTAGES

- High sensitivity
- High resolving power
- Non-radioactive plasma ionization source
- Operation at atmospheric and sub-atmospheric pressures
- Portability

DESIGNED FOR:

- Fast and remote monitoring of processes
- Interface to Gas Chromatograph or to Multi Capillary Column Gas Chromatograph
- Trace gases detection
- VOC/TOC monitoring
- Environmental monitoring
- Indoor/Outdoor air quality monitoring
- Chemical analysis
- Research laboratories



- ① Sample inlet (3mm or 1/16" connector)
- ② External thermostat connectors
- ③ Drift Gas Inlet (3mm connector)
- ④ Gas exhaust (3mm connector)



- ⑤ Communication port (USB 2.0)
- ⑥ 24V Power supply
- ⑦ External pump power supply (3pin connector)