

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



Main advantages of PAIMS are:

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

Portable Advanced Ion Mobility Spectrometer is 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

