

ION MOBILITY SPECTROMETER

Pharmaceutical Analysis

Food Safety

Water Quality

Research & Education

Chemical Industry



SPECIFICATIONS

Measuring Principle	Ion Mobility
Ion polarity	Positive/Negative
Ionization source	Corona Discharge
Resolving power	Up to 90
Sampling	Solid, Liquid, Gas
Sensitivity	ppb
Detection	electrical current
Dynamic range	ppb-ppm
Amount of sample	nanogram or μL
Injection Port Temperature	25-260°C
Gas Supply	Zero Air, N_2 , He, Ar
Gas Flow	0-1000mL/min
Communication	USB port
Powering	220-250V, 2 A
Work temp. range	0-50°C
Humidity working range	0-50%
Software online	Pico scope (windows)
Software offline	For data analysis
Drift field range	0-450V/cm
Drift temp range	25-200°C
Analysis time	5 Sec

Advantages

Fast analysis; within few seconds
Sensitive; detection in nano-gram or ppb scale
Response to most organic compounds
Simplicity; no need for vacuum pump
Selective to most compounds of interests
Easy sampling
Economic and maintenance free

Features

Touch screen control panel
High resolution (Separation of isomers, even ^{35}Cl and ^{37}Cl isotopes)
Modified injection port for easy sampling
Dopant included for negative and positive mode
Automated polarity switching
Novel negative ion source
Data processing software
High signal to noise ratio
Easy operation

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