

LC-MS 1000

Liquid Chromatograph Mass Spectrometer



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- Fast scan speed/wide scan range
- Positive/negative ion mode switch
- High sensitivity
- All-in-one software
- Powerful auto tune

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Enjoy your reliable data!



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Skyray Skyray Instrument



In our daily life, organic chemicals affect us everywhere. Some of them are good for health but some are not. For example, vitamin is required by human body, but pesticides, preservatives are very harmful to health. All of them exist in small amount but have large effect on life quality.

One of the best tools to find and determine these trace organic chemicals is Liquid Chromatograph-Mass Spectrometer

LC-MS is one of the top analysis instruments. Liquid chromatographs separate organic chemicals in liquid.

Mass spectrometers analyze separated chemicals one by one. Information of molecular weight, structure (in some cases) and quantity come out from MS.

The powerful API (Atmospheric Pressure Ionization) techniques including ESI (Electrospray Ionization) and APCI (Atmospheric Pressure Chemical Ionization) make spectra simple and easy to analyze.

LC-MS is widely used in food industry, pharmaceutical industry, cosmetic industry, forensics, research institutes, universities and so on.



Skyray Instrument Co. Ltd is the first IPO company in domestic analytical instrument companies. We have severed analysis instrument market for twenty years without break and provide best quality instruments and services for our customers. After more than three years preparation, we are happily announcing that our first LC-MS system – LC-MS1000 is successfully created in R&D department and will be delivered to market soon. **LC-MS1000 has six patents and is another high quality products for analysis instrument market.**

Configurations :

- LC310 high-pressure pump
- Constant temperature chamber, an autosampler (optional)
- UV detector (optional)
- MS detector

The MS detector is equipped with an ESI ionizer or an APCI ionzier (optional). Users can switch from one detector to another one easily or use UV detector and MS simultaneously (with proper split method).

Advantage :

- Fast scan speed (up to 10,000 amu/s in centroid mode)
- Wide scan range (10-1100 amu)
- Positive/negative ion mode switch
- High sensitivity (10 pg reserpine, S/N≥50: 1)
- All-in-one software
- Powerful auto tune and calibration
- Multi-language options for user interface

LC-MS1000 would be your best choice for trace organic chemical analysis instrument.