



FEATURES AND BENEFITS OF QUADRUPOLE MASS SPECTROMETRY (QMS)

For Aspec range of Instruments

Major Features

- Compact Robust construction.
- Portable, semi-portable or fixed installation models available
- Integrated instrument, analyser and sample system in one unit.
- Operates with single PC /laptop/Netbook data system with various communication modes: OPC, Ethernet, RS232, Wifi. Operates on Windows software platform.
- Single and multi -inlet options available.
- Simple to operate hardware. (single switch with automated vacuum system)
- Low power consumption <2A
- Battery backed models available

Major Software Features:

- **Raw data Analogue scan mode**
- **Fast Histogram scan mode**
- **Background reference subtraction feature (for identification of process changes and unknown gas species)**
- Raw, fast, gas data logging WRT time. (MID mode)
- Continuous, automatic data storage.
- Windows compatible software, can export to other Windows compatible programmes such as Excel.
- Built in Direct calibration module allowing direct readings in Concentration. (MCD mode)
- Built in Script programming (for complex, automated analysis routines)

Benefits

- Fast sample speeds (<80ms).
- Can measure Hundreds of gas species with one instrument
- Fast Analysis speeds (2ms/ gas)
- Scientific grade and process instrument in one unit.
- Very low maintenance costs.
- No expertise required in some analysis modes
- Can measure up to 64 gas species sequentially
- Very little sample conditioning required.
- Range of sample/ application interfaces available for multi applications. (Fast capillary, Precision needle valve and membrane inlets).
- May be configured easily by operator for different gas species using software.
- Large dynamic concentration detection range. 9 decade (ppb to 100% of many gas species with no hardware changes).
- Diverse Application Support and Advice with sales staff