The QMAX™ upgrade is a viable alternative to the purchase of a new Mass Spectrometer. Starting with your existing Questor IV platform, a complete revamp of the system’s electronics provides you with the performance of the latest generation Extrel MAX300™ gas analyzer. The new Questor™ 5 Software provides the latest technological features and benefits in the new web-based format.

This upgrade replaces the Questor IV electronics with the standard base MAX300 electronics, including the new Questor 5 software. The system will operate the same as a MAX300, but utilizes the existing Questor IV enclosure, power distribution and all vacuum hardware.

Benefits of the Upgrade

- Extend the product life of your Questor IV
- Eliminate obsolescence issues
- Make use of existing utilities
- Update your Questor IV at a fraction of the cost of a new system
- Utilize the web-based Questor 5 software
- Minimize downtime with an In-Field Service Upgrade

QMAX Base System

- Card cage, mounting hardware and all electronic control modules
- Pole DC module
- Quadrupole Controller and mounting brackets
- RF leads and vacuum flange
- Complete wiring harness with cable track
- Front door with pre-mounted communication rails and dedicated Dell® Server for Questor 5 operation

In-Field Service Upgrade

5-Day Start-up Includes:

- 2 working days to perform upgrade
- All methods, sequences and maps rebuilt on new Questor 5 Software
- Functional Training

Additional Upgrade Options Available

- Air Conditioner
- External Communications
- Ion Gauge
- Smart Detector
- Valve
Questor 5 Software

Questor 5 software operates under the Microsoft® Windows® based operating system and features a Web based user interface. The system can be accessed from a direct peer-to-peer network connection, LAN, or the Internet via the instrument controller’s Ethernet connection. The instrument controller acts as a web-server giving access to the analyzer’s Graphical User Interface (GUI) web pages. User-based password protection is implemented to provide data and operational security. Advanced event logging allows for data integrity and compliance with 21 CFR 11 regulations.

QMAX

Air Conditioner
- A retrofitted MAX300 Air Conditioner
- Class 1 Div II, Groups B,C,D (T3)
- Available in 110VAC and 220VAC

External Communications
- Modbus RS-422
- Modbus RS-485
- Modbus TCP/IP

Analog 4-20mA

OPC

Service Contracts
- 2-year Warranty Upgrade
- Parts Only
- Premium Maintenance Contracts
- Remote Support

The software is capable of monitoring an unlimited number of components, and can utilize multivariate analysis for enhanced performance in complex matrices. Single ion monitoring or full mass range scanning can be selected by the user. Component concentrations, intensities, and derived (calculated) values are displayed, stored and outputted as defined by the user. Display options include graphical and tabular displays for both real time and archived data. The system performs extensive diagnostics during SmartStart™ and continuously monitors diagnostics during operation to ensure data validity. The system status displays critical system parameters and the eventlogger flags system issues.

International Locations

www.extrel.com

Independent Sales Representative