



# VE8206

## 6 Channel iVAS Controller

The Pharmagraph VE8206 iVAS Controller offers an easy way of interfacing to iVAS intelligent Viable Air Samplers that offer unrivalled efficiency and consistency in microbiological monitoring.

VE8206 provides a quick and easy Ethernet connection to the host PC by incorporating a pre-configured MX6001 controller that drives up to six iVAS units. Individual iVAS units connect via screw terminals using a single cable that carries RS485 communications and power, so that the controller can be installed in a plant room or under the filling machine bed. The iVAS units themselves can then be conveniently distributed within the isolator or clean room.

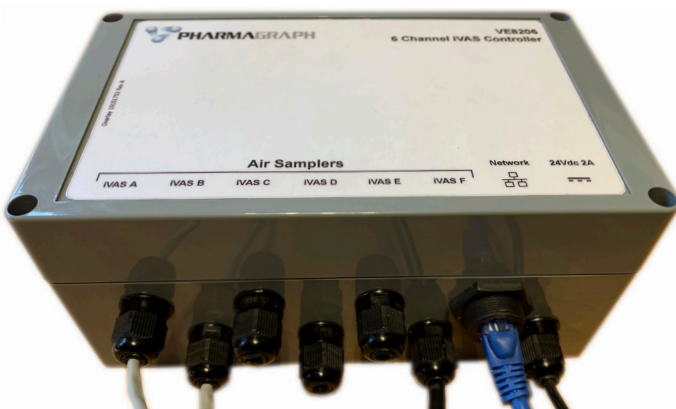
The VE8206 includes opto-isolated inputs and outputs that allow iVAS to be directly controlled by hardware such as an isolator PLC. When operated in this way, the VE8206 supports hardware control of up to four iVAS units. Modbus software control of the VE8206 allows it to support up to six

### VE8206 Interface Specification

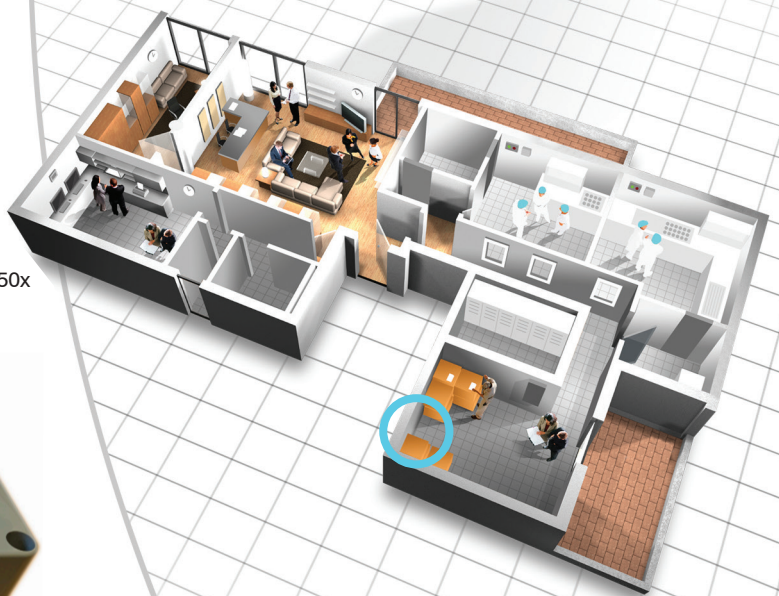
- Communications Interfaces (internal MX6001 controller)
  - Ethernet 100Mbps Modbus TCP protocol via RJ45 to host PC
  - 6 Serial RS485 Modbus RTU protocol interfaces for up to 6 iVAS
- 8 Opto-Isolated digital inputs for 'Run' and 'Gas' requests for up to 4 iVAS
- 8 Opto-Isolated digital outputs for 'Running' and 'Fault' indications for up to 4 iVAS
- ABS plastic construction:
  - Width 200mm
  - Height 120mm (excluding cable entry)
  - Depth 90mm
  - Weight 2.00kg
- Power supply:
  - 24Vdc +/-10%, 7.5A max. for 6 iVAS @100lpm
- Environmental:
  - IP65 rated (when using sealed RJ45 mating connector)
  - Operating temperature 10 to 30°C
  - Storage temperature -20 to 60°C

### Ordering Information

- VE8206 iVAS Controller with Ethernet Interface for up to 6 off VS850x (Note: Digital I/O control is only available for 4 off iVAS)



VE8206 showing typical connections for two iVAS with hardware control



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