

VE8212

Viable Sampling Stations

VE8212 Series

- Offers Plug and Play connection to Air Samplers
- Provides a simple interface to a variety of RS485 I/O modules
- Simply scalable by adding extra VE8212 stations
- Optimised for enVigil PnP monitoring systems

The versatile VE8212 series offers simple connectivity for the enVigil PnP monitoring system allowing multiple devices to be connected via a single Ethernet interface. The powerful built-in processor provides connections for between one and five Air Samplers plus local digital I/O functions to drive standard alarm beacon hardware.

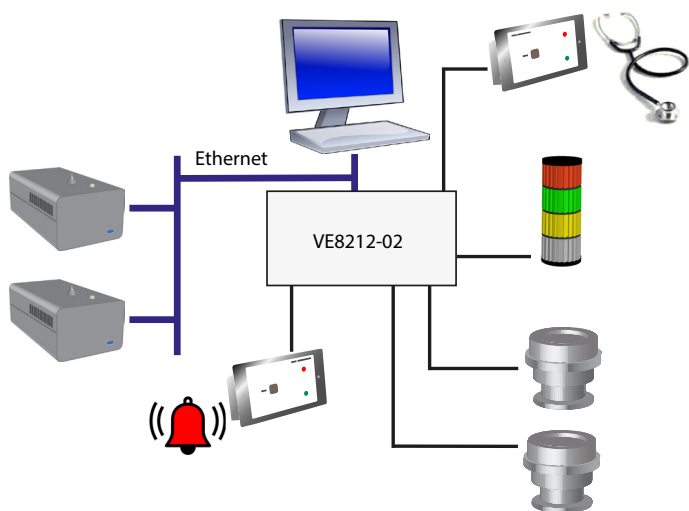
The VE8212 enclosure is powered by industry standard 24Vdc in common with many particle counters and allows systems to be deployed and qualified in a minimum time. By defining a single Ethernet IP address, and performing a few clicks in the enVigil PnP configurator the Air Samplers become accessible to enVigil automatically, with sample progress clearly displayed on-screen.

Air Samplers normally run at 100lpm but 180lpm options can be supplied to support legacy systems. The VE8212 can drive both by simply specifying the flow rate at the time of ordering.

A typical enVigil PnP system can be deployed using standard Ethernet particle counters for the particle counting plus a VE8212 and Air Samplers to perform the viable monitoring.

To further ease system integration, the VE8212 series provides pre-configured RS485 interfaces to drive a system watchdog module, distributed environmental measurement modules and distributed alarm indicator modules. Configuration simply involves clicking to select if a device type is attached, filling in a few details under an associated tab and plugging the device into the pre-defined port in the VE8212.

The system can be readily scaled up by adding particle counters and additional VE8212 enclosures via industry standard Ethernet switches.



Specification

Enclosure:	ABS 300mmW x 400mmH x 200mmD. Supplied with mounting brackets.
Power input:	24Vdc +/- 10%, 5A max (with 5 off Air Samplers)
Interfaces:	Ethernet via RJ45 6 off RS485 interfaces
Digital I/O:	4 digital outputs for red, amber, green lamps and sounder 1 digital input for sounder mute

Supported Hardware

VE8212-01-1x0 thru VE8212-05-1x0:

- Up to 5 Air Samplers for microbiological monitoring for 100 lpm sampling or ¹180 lpm sampling
- Single WD1220 Watchdog Module
- Up to 20 Series 2000 Environmental Measurement Modules (with up to five mounted internally)
- Up to 20 AN1220 Alarm Indicator Modules

VE8212-00:

- Single WD1220 Watchdog Module
- Up to 20 Series 2000 Environmental Measurement Modules (with up to five mounted internally)
- Up to 20 AN1220 Alarm Indicator Modules
- Up to 20 Serial Particle Counters (Met One Modbus RTU protocol):

Ordering Information

Viable Sampling Station for 100 lpm heads

- **VE8212-01-100** Viable Monitoring Station with one VF8023 to support one Air Sampler
- **VE8212-02-100** Viable Monitoring Station with two VF8023 to support two Air Samplers
- **VE8212-03-100** Viable Monitoring Station with three VF8023 to support three Air Samplers
- **VE8212-04-100** Viable Monitoring Station with four VF8023 to support four Air Samplers
- **VE8212-05-100** Viable Monitoring Station with five VF8023 to support five Air Samplers

¹Viable Sampling Station for 180 lpm heads

- ¹**VE8212-01-180** Viable Monitoring Station with one VF8023 to support one Air Sampler
- ¹**VE8212-02-180** Viable Monitoring Station with two VF8023 to support two Air Samplers
- ¹**VE8212-03-180** Viable Monitoring Station with three VF8023 to support three Air Samplers
- ¹**VE8212-04-180** Viable Monitoring Station with four VF8023 to support four Air Samplers
- ¹**VE8212-05-180** Viable Monitoring Station with five VF8023 to support five Air Samplers

Monitoring Station for serial particle counters or environmental measurements

- **VE8212-00** Alarm Monitoring Station - supports external watchdog, serial particle counters, environmental measurements, alarm indicators, distributed Air Samplers
- **CC2044** 4 Channel Relay Output Module for vacuum control of remote particle counters or to act as Zone Alarm Module

Air Samplers - Head with pedestal base:

- **AH8190-1XB** Air Sampler with bayonet head
- **AH8190-1XS** Air Sampler with screw head

Air Samplers - Head with Tri-clover clamp base:

- **AH8290-1XB** Air Sampler with bayonet head
- **AH8290-1XS** Air Sampler with screw head

Air Sampler Controller:

- **VF8023** Air Sampler Controller only (NOTE: this unit must be field calibrated with the specific Air Sampler if ordered separately)

¹180lpm flow rate is not recommended for new installations, but can be supplied to support legacy systems