



## Vertex M SPECIFICATIONS

### Multi-Point Toxic Gas Monitoring System

General Specifications	
<b>Uses</b>	8 to 24 point toxic gas monitor configurable for use with up to 3 universal Chemcassette analyzers or combination 1 pyrolyzer analyzer/1 universal Chemcassette analyzer
<b>Power requirements</b>	110 or 230 VAC
Physical dimensions	
<b>Height</b>	56 in. (144.8 cm)
<b>Width</b>	24 in. (61 cm)
<b>Depth</b>	36 in. (91 cm)
<b>Weight</b>	551 lbs. (250 kg) with 3 analyzers Universal Analyzer: 31 lbs. (14 kg) Pyrolyzer Analyzer: 48 lbs. (22 kg) Empty Vertex M Rack: 458 lbs. (208 kg)
Tubing dimensions	
<b>Sample lines</b>	¼ in. (6.35 mm) O.D. x 0.190 in. (4.83 mm) I.D. FEP Teflon or ¼ in. (6.35 mm) O.D. x 0.156 in. (3.9 mm) I.D. FEP Teflon Sampling Distance: Up to 400 ft. maximum
<b>Exhaust line</b>	½ in. (12.7 mm) O.D. x 3/8 in. (9.5 mm) I.D. polypropylene tubing, Exhaust line: 50 ft. (15 m) maximum
Operating characteristics	
<b>Operating Voltage</b>	110 or 230 VAC ± 10% (underload) @ 50/60 Hz; 15 Amps maximum, single phase
<b>Operating Temperature</b>	59°F to 95°F (15°C to 35°C)
<b>Operating Humidity</b>	20-65% RH
<b>Operating Altitude</b>	-1000 ft. (-305 m) to 6000 ft. (1829 m) above sea level
Communications/Interface	
<b>Network Interface</b>	OLE for Process Control (OPC) Interface
<b>Output Options</b>	DeviceNet, ControlNet, Profibus - DP, LonWorks, DF1, Modbus/TCP, ModBus Plus, Ethernet/CIP
<b>Analog Option</b>	4-20 mA (24 channels)
<b>Relay Options</b>	Isolated (08X) or Non-Isolated (016X); Via PLC: 32 relays for 8 channel isolated relay option; 64 relays total for 16 channel non-isolated relay option
<b>Alarm/Fault</b>	Capable of A1 and A2 alarms per point, per point maintenance/instrument faults, as well as general analyzer A1, general analyzer A2, and general analyzer instrument/maintenance faults
<b>HMI/LCD Screen</b>	1024 x 768 resolution, touch screen operation with at-a-glance system status.
Other Optional Accessories	
	Sample line integrity test Duct adaptors ChemCam video monitoring camera Remote viewing/control software