HONEYWELL VERTEX™ EDGE

Toxic Gas Monitoring System



Go low. Get advanced low-level detection and a lower cost of ownership.

Honeywell Vertex™ Edge delivers the reliable performance and versatility of Honeywell Vertex™ — with a lower cost and easier experience. To help you protect people and assets while reducing downtime, Honeywell Vertex™ Edge provides:

- **Authentic Chemcassette® technology for enhanced standard of accuracy**
  The system detects highly toxic gases quickly and definitively — down to parts per billion (ppb) — as evidenced by a clear, easy-to-view stain on chemically treated tape. This technology, pioneered by Honeywell, delivers low-level gas detection you can count on.
- **Monitoring of more than 40 toxic gases**
  Start with as few as eight sampling points and add up to 72. Place each point up to 400 feet (120 meters) away for flexible reach.
- **Lower cost of ownership**
  Get a lower system price than Honeywell Vertex™ — plus Chemcassette® tapes for ammonia, hydrides and mineral acids that last six months instead of the usual three. That means double the usage at a lower operating cost.
- **Smart, intuitive interface for enhanced performance and simple operation**
  Touchscreen and large icons make it easy to see gas readings, alarms, event logs, real-time trends and overall system status. Minimal training required.

MORE FEATURES & BENEFITS

Straightforward maintenance to reduce costly downtime:

FRONT ACCESS
Easily service the power and data cables with a clear view of the touchscreen and Chemcassette® analyzers. Pullout tray makes it easy to replace and service pumps.

NO-SCREW SERVICE PANELS
Access the inside of the unit with keylock and latch — no screwdriver needed.

SIMPLIFIED OUTPUT
Vertex Edge offers Modbus TCP and Modbus RTU for interfacing to your sites control systems.

SMART REMINDERS
Use the touchscreen to set customized reminders for maintenance tasks; clearly see which elements to service.

EASY TUBE MANAGEMENT
Quickly identify sampling tubes for corresponding analyzers, so you can address a fault or install a new point.

DURABLE DESIGN
Steel door stands up to traffic, while a splash-proof cap protects the system from overhead liquid exposure.

Honeywell

VERTEX EDGE SPECIFICATION SHEET

OVERALL SYSTEM DIMENSION	
Size	76" x 24" x 35"
Weight - Full loaded condition	~900lbs (~408kg)
Weight - Empty rack	~655lbs (~297kg)
ANALYZER	
Size	22" x 13" x 6"
Weight	≤ 27lbs (12kg)
POWER REQUIREMENTS	
Operating voltage	208V~240VAC, 15A (230V) & 114VAC ~ 126VAC, 30A (120V)
POWER CONSUMPTION	
Normal condition	1.3 kVA, 0.86 Power Factor, 1.1 kW @120VAC
Maximum condition	1.4 kVA, 0.84 Power Factor, 1.2 kW @128VAC
DISPLAY AND OUTPUTS	
Visual	15.6" wide screen monitor with capacitive touch interface Display gas reading, alarm & instrument status real-time base Provide real-time trend chart and gas event snapshot trend chart Event logging including maintenance/instrument fault and gas alarm Multiple searching option for the event **LED indicator:** Normal (Green), Alarm 1 (Red), Alarm 2 (Red), Fault (Yellow)
Digital communications	TCP/IP and RTU Modbus, OPC (Option)
SECURITY	
	Role-based access control Support HTTPS
CERTIFICATION AND SPECIFICATION	
	EN 50270 and EN61010-1 UL/IEC 61010-1 RED, FCC for RFID
PERFORMANCE	
	Refer to product manual for complete gas list
TRANSPORT SYSTEM	
Flow rate	2.1 LPM
Transport time	Less than 50 seconds up to 325ft with thin wall tube (0.190"ID); Refer to user manual for details
Sample line tubing	1/4 in. (6.35 mm) O.D. x 0.190in. (4.83 mm) (Thin wall)
Tubing length	Up to 400ft (120m) with thin wall
Exhaust line tubing	1/2 in. (12.7 mm) O.D. x 3/8 in. (9.5 mm) I.D. Teflon tubing
Exhaust length	Up to 50 ft. (15 m) maximum
OPERATING CONDITIONS	
Temperature	59°F to 95°F (15°C to 35°C)
Humidity	20-80% RH
Altitude	-1000 ft. (–305 m) to 6000 ft. (1829 m) above sea level
Pollution degree	2
WIRING REQUIREMENT	
Power	Single phase power, Minimum 14 AWG (10 AWG for 115V)
Digital	Modbus TCP/IP: CAT5 shielded cable or equivalent (RJ45 connector); Modbus RTU: 2-wire stranded, shielded cable or equivalent (24-14 AWG)

For more information
honeywellanalytics.com

Americas
detectgas@honeywell.com

Europe, Middle East, Africa
gasdetection@honeywell.com

Asia Pacific, India
analytics.ap@honeywell.com

Mainland China
gaschina@honeywell.com

Taiwan
analytics.tw@honeywell.com

www.honeywell.com

HON_DTS_VERTEX-EDGE_A4_EN-0820 | 08/20
© 2020 Honeywell International Inc.

THE FUTURE IS WHAT WE MAKE IT

Honeywell