

HONEYWELL VERTEX™ C

Toxic Gas Monitoring System

Higher Integration, Lower Cost Ultra-sensitive for gas leak response

Honeywell Vertex™ C delivers the reliable performance and versatility of Honeywell Vertex - realized the multi-directional product upgrade. To better realize the security of personnel and assets while reducing downtime, Honeywell Vertex™ C provides:

- **Authentic Chemcassette® technology for enhance standard of accuracy**
Chemcassette® technology, pioneered by Honeywell, delivers low-level gas detection you can count on. 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.
- **Up to 96 points gas detection system**
Vertex™ C can support up to 96 points gas detection, with higher integration, and more cost-effective in multi-point detection application scenarios.
- **Shorter lead time, faster and more convenient technical response and spare parts support**
Vertex™ C is designed and manufactured in China, allowing for more stable, fast, and convenient technical support.
- **Faster gas leak response time**
The sampling flow rate at each detection point was increased from 1.5 LPM to 2.2 LPM, improving the gas leak response time and can meet the latest Taiwan EPA requirements.



MORE FEATURES & BENEFITS



- **Friendly Human Machine interactive interface**

Easy to use HMI which based on a Linux operating system, big IPS display screen (18.5") & capacitive touch screen. More friendly and smooth interaction interface.



- **High performance pumps**

Higher performance vacuum pumps to support the high vacuum and high flow requirements of 96 points. Double redundancy design to ensure long-term stable operation of the detector.



- **Cost-effective analyzer**

Compared to Vertex™'s eight points, Vertex™ C is upgraded to 12 probe points, much more integrated and cost-effective in tape consumption.



- **Easy moving**

Designed with forklift holes & fuma wheels for easy on-site moving and flexible line adjustment.

VERTEX™ C SPECIFICATION SHEET

OVERALL SYSTEM DIMENSION

Size	83" (H)x33.5" (W)x34.6" (D) (201 x 85 x 88cm) (with fuma wheel) 79" (H)x33.5" (W)x34.6" (D) (211 x 85 x 88cm) (without fuma wheel)
Weight - Full loaded condition	1142lbs (518kg)
Weight - Empty rack	≤ 858lbs (389kg)

ANALYZER

Size	13" (H) x 24.4" (D) x 6" (W) (33 x 62 x 15cm)
Weight	≤ 27lbs (12kg)

POWER REQUIREMENTS

Operating voltage	PH3 200~240/346~420VAC, 9A/6A, 50Hz PH3 200~270/346~480VAC, 9A/6A, 60Hz
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POWER CONSUMPTION

Normal condition	1.5k Watt
Maximum condition	≤ 2k Watt

DISPLAY AND OUTPUTS

Visual	18.5" 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, Profibus (Optional), Relay output (Optional)

SECURITY

Role-based access control Support HTTPS

CERTIFICATION AND SPECIFICATION

UL61010; FCC、NCC

PERFORMANCE

Refer to product manual for complete gas list

TRANSPORT SYSTEM

Flow rate	2.2 LPM
Transport time	Less than 50 seconds up to 325ft with thin wall tube (0.190"ID)
Sample line tubing	1/4 in. (6.35 mm) O.D. x 0.190in. (4.83 mm) (Thin wall) Teflon tubing
Tubing length	Up to 400ft (120m) with thin wall Teflon tubing
Exhaust line tubing	16 mm O.D. x 13 mm I.D. Teflon tubing or Polypropylene 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	Three phase power, Minimum 13 AWG
Digital	Modbus TCP/IP: CAT5 shielded cable or equivalent (RJ45 connector) Modbus RTU: 2-wire stranded, shielded cable or equivalent (24-14 AWG) Profibus (Optional): DB9 connector Relay output (Optional): 24-14 AWG Modbus RTU (PLC) (Optional): DB9 connector

For more information

www.sps.honeywell.com
www.honeywell.com.cn

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THE
FUTURE
IS
WHAT
WE
MAKE IT

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