

MEC-VOC sensor

datasheet



About

VOC's (volatile organic compounds) are any organic compounds having an initial boiling point less than or equal to 250°C, measured at a standard atmospheric pressure of 101.3kPa, and can cause damage to visual or audible senses. These include both man-made and naturally occurring chemical compounds.

Examples of common VOC's are gasoline fumes, paint solvents, air fresheners, construction chemicals such as carpet adhesives, dry cleaning and the gaseous portion of cigarette smoke. Along with particulates, VOC's are believed to be the major contributors to poor indoor (and outdoor) air quality. Most are thought to be carcinogenic in high concentrations and through long-term exposure.

Benefits of the MEC-VOC

- Long life sensor will last 50,000 hours (approx. 6 years)
- Sensor can easily be replaced or cleaned to further extend the life
- Digital output for OEM integration

Uses

- Indoor air quality
- Woodworking
- Printing
- Dry cleaners
- Compressed breathing air monitoring
- Electronics manufacturing
- Carbon filter verification
- Ozone systems
- Hazmat operations
- Gluing

Specifications:

Sensor range:

0 to 100ppm (isobutylene equivalent)

Temperature range:

-5°C to 55°C (23°F to 131°F)

Humidity:

0 to 99% RH non condensing

Accuracy (over $\pm 10^{\circ}\text{C}$ range):

$\pm (1\text{ppm VOC} + 5\% \text{ of reading} + 0.25\% \text{ of reading}/^{\circ}\text{C})$

Supply voltage:

4.5V to 5.5V DC

Data output:

RS485 using Analox protocol

Enclosure dimensions:

65 x 50 x 35mm

Remote sensor gas flow:

0.2 to 1.0 litres/minute

Analox has a policy of continuous improvement and we reserve the right to upgrade or change specifications without prior notice. Full technical specifications are available upon request.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.