

T-ION-TVOC

Volatile Organic Compound (VOC) Sensor

Discontinued

Dependably measure volatile organic compounds with the TVOC sensor. With the deployment of a fixed continuous monitor, users can avoid dangers by monitoring areas in question. A variety of industries use the TVOC to minimize poisoning and explosions. Detects and measures the existence of a VOC inside a building.



Supported Measurements

Volatile Organic Comp.

Features

- Intrinsically Safe for use in hazardous areas

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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Bourne, MA 02532

Volatile Organic Compound (VOC) Sensor (T-ION-TVOC) Specifications

Measurement range: selectable 0 - 10, 0 - 100, 0 - 1000 ppm (parts per million)

Accuracy: (0-10 and 0-100 ppm) +/- 2%; (100-1000 ppm) +/- 5%

Linearity: (0 - 100 ppm) > 98%

Input power, sensor: 5 - 28 VDC, 65 mA

Input power, 4-20mA loop: 8 - 35 VDC, 22 mA

Operating temperature range: -200C to 500C (-40F to 1220F)

Operating humidity range: 0 to 95% RH non-condensing

Response: sensor T90 < 5 sec.

Sensor: PID Lamp, 10.6 eV (Krypton)

Lamp duty cycle: selectable 5 sec. to 5 min. (1 min. std.)

Sampling process: diffusion

Output signal: 4 - 20 mA

Dimensions: 7.11x4.88x2.86 in (181x124x72.6 mm)

Weight: 2.9 lbs. (1.3 kg)

Display: 7 segment 4-digit LCD, 4 colors

Calibration: four stage

Ingress protection: (TVOC) - IP65; (sensor) - IP54

Intrinsic safe approvals: II 2 G Eex ia IIC T4, cert # Baseefa05ATEX0277