

TVOC

Technical Specifications and Pricing

SENSOR (PID)

- 10.6 eV lamp with Ion Science patented Fence Electrode Technology*

HAZARDOUS AREA SAFETY APPROVALS

- ATEX: II 3 G Ex nA IIC T4 (-40°C ≤ Ta ≤ 50°C)
- ATEX / IECEx: II 2 G EEx ia IIC T4 (-20°C ≤ Ta ≤ 50°C)

INGRESS PROTECTION RATING

- Designed to IP65
- Dependent on cable glands

fitted sensor to IP53

POWER

- 5-28 VDC Max 65 mA

OUTPUT

- 4-20 mA requires a 8-35 VDC power supply
- For IS requirements 8-30 VDC power supply

RANGE

- 0 to 10 ppm, 0 to 100 ppm, 0 to 1000 ppm (user selectable)

SAMPLING

- Diffusion (can be pumped if required using an adaptor)

DISPLAY

- 7 segment, 4 digit LCD, 4 color LEDs

RESPONSE

- Sensor - T90 < 5 sec**

ACCURACY

- 0 to 100 ppm : +/- 2% or +/- 1 ppm (whichever is greater)
- 100 to 1000 ppm: +/-10%

LINEARITY

- 0 to 1000 ppm: >75%

CALIBRATION

- Magnetically accessed
- 100 ppm Isobutylene via calibration kit accessory

TEMPERATURE

- Operating: -20 to 50 °C (-4 - 122 °F) Humidity: 0-95% RH
- (non- condensing)

WEIGHT & DIMENSIONS

- Instrument: 1.4 kg (3.1 lb)
- Packed: 1.6 kg (3.5 lb)
- Dimensions: 188 x 126 x 78 mm (7.4 x 4.9 x 3")

4-20 MA ALARM LEVELS

- Selectable 2 mA & 3.5 mA options

TVOC Instrument	Description	Price
TVOSXBMX-X	TVOC Fixed PID Detector (ATEX Approved)	\$3,460.00
TVESXBXX-X	System+ Environmental Monitor with PSU + Lower Input glands	\$6,240.00

TVOC Access	Description	Price
1/EA-2	Electrode Stack PID Sensor (pack of 2)	\$90.00
1/EO-2	TVOC PID Sensor (includes lamp and electrode stack)	\$570.00
849217	TVOC Fixed Cal Adaptor	\$510.00
A-849246	TVOC Flow Adaptor	\$510.00
116ES-248-100	100 ppm Isobutylene Cal Gas in 116L Ecosmart Cylinder (C10)	\$170.00
70-0.5	0.5 LPM Fixed Flow Regulator with C-10 Fitting	\$160.00
A-833227	Mini Lamp for TVOC	\$160.00
A-849209	TVOC Calibration Adaptor	\$200.00
A-849214	TVOC Tool Kit	\$310.00
A-849219	TVOC Calibration Magnet	\$30.00
A-849221	Hand Aspirator (Cal Zero)	\$70.00

