

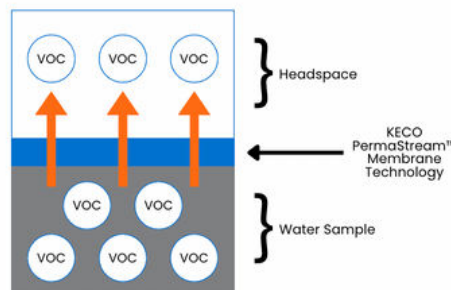


Model 204 PermaStream

The KECO Model 204 PermaStream Real-Time VOC/Hydrocarbon Analyzer delivers precise, cost-effective, and field-proven performance for continuous monitoring. Its robust metal oxide sensing element minimizes maintenance, ensures long-term calibration stability, and delivers high analytical accuracy—empowering operators to make timely, data-driven decisions with confidence.

Applications

- Cooling Water/Heat Exchangers
- Boiler Condensate
- Produced Water
- Industrial Pre-Treatment
- Municipal Waste Water
- Municipal Drinking Water
- Desalination Plants
- Collection Systems/Stormwater
- Bilge Water Discharge



Benefits

- Unique design & technology
- Solid state/no moving parts
- Membrane technology
- Operates at process conditions
- Continuous online monitoring
- Intuitive user interface

Operational Impact

- 99% uptime & minimal servicing
- Ultra low maintenance
- False positive alarm elimination
- No sample conditioning required
- High accuracy & VOC coverage
- Efficient VOC stripping



Specifications

DISPLAY

- Color Touchscreen
- 4 Concentration Digits
- Non Intrusive Display (Div 2 & GP)

AMBIENT TEMPERATURE RANGES

- 1°C to 55°C (operating) without ext. cooling/heating
- 0°C to 70°C (storage)
- PPB range may require temp. controlled building

ANALOG

- Isolated 4-20mA

ANALYTICAL PERFORMANCE

- Resolution: <50 ppb (app. dependent)
- Accuracy: $\pm 3\%$ of full scale
- *Accuracy may be improved significantly near points of interest including ppb level concentrations
- Repeatability: $\pm 3\%$ of full scale
- Linearity: $\pm 3\%$ of full scale
- Response time: Initial 60 sec. @ sensor (conc. dep.)
- Sensor life: Avg. 5-10 years

DETECTION RANGES

- 0-1 ppm by wt. (or 0-1,000 ppb by wt.)
- 0-10 ppm by wt.
- 0-50 ppm by wt.
- 0-100 ppm by wt.
- 0-500 ppm by wt.
- Customer specified (contact factory)

WEIGHT

- ~100 lbs

DIMENSIONS

- 2 ft X 2 ft X 11"

UTILITIES/SETTINGS

- 120VAC 6A or 240VAC 3A
- Carrier Air: 200 ml/min (15 psig max.)
- Sample flow: 0.5 L/min.
- Sample pressure: 100 psig max.

AREA CLASSIFICATIONS OPTIONS

- Class 1 Division 1 (Purged)
- Class 1 Division 2 (Purged)
- Zone 1 or Zone 2 (Purged)

AVAILABLE OPTIONS

- Concentration relay alarms
- Diagnostic/fault alarms
- Low carrier, sample flow relay alarms
- RS-485, TCP/IP Modbus
- Remote monitoring/control with web
- ATEX / IECEx certifications (added cost)

TECHNOLOGIES

- PermaStream™ (KECO Membrane Technology)
- Advanced VOC Sensor (solid state)

KECO provides design and application engineering assistance for the User's analyzer requirements. For a quotation, please complete Analyzer Quote Request Form at kecosystems.com/quote

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