ODOR ONLINE

AXELSEMRAU

ONLINE MONITORING

Real time monitoring providing detailed composition of odorants in your natural gas stream. Will detect and report presence of any sulfur compounds in sample. Use with calibration gas to quantify odorant composition with easy to use host software. Interface with any RTU using variety of outputs and communication platforms.

System Highlights...

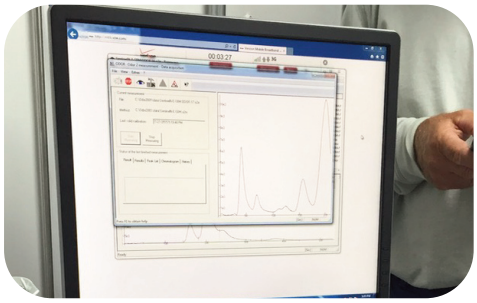
- Sample duration approximately every 10 minutes
- Use compressed air as carrier gas (no special gas required)
- Low ongoing costs associated with operation (minimal maintenance required)
- Multiple, easily configurable 4-20 mA outputs available
- Modbus communication available
- Included with easy to use Odor Control host software package
- Multiple gas streams can be monitored with optional multiplexor
- Class I, Division 2 model available

MOBILE MEASUREMENT

Extremely rugged construction and robust package with standard 12 VDC power option means you can measure remote sites with high precision.

CONTROL AND DATA COLLECTION

Odor control software is characterised by its simple operation and clear navigation. The current chromatogram and the last measured value are always displayed on the main screen. All measurements taken are archived and can be evaluated again at any time. Individual reports can be compiled. Measurements can be exported via CSV files to other programs, such as Microsoft Excel. Remote servicing is likewise possible in conjunction with supplementary programs and a modem connection.



SYSTEM DESCRIPTION

In many gas systems a continuous, automatic measurement of the concentration of odorants is the safest, simplest method of maintaining a consistent level throughout your network. In many cases, i,e, where the gas has already been odorized by the previous supplier, the automatic measuring technology ensures the greatest safety by enabling remote transmission of odorant levels and/or alarms at pre-configured levels. Construction of the Odor On-Line as a fully automated system ensures low operating costs and the absolute minimum amount of required periodic maintenance.

SPECIFICATIONS

Odor Online

Measurement area:	THT	.006 to 6.2 lbs./mmscf
	H2S	.006 to 6.2 lbs./mmscf
	TBM/Mercaptans	.001 to 6.2 lbs./mmscf
	Note: Calibration gas and size of measuring loop adjusted to suit specific calibration range	
Gas loop:	10 ml, smaller in special cases	
Connections:	Calibration gas	7" w.c. min
	Measuring gas 1/8" SST male tube	7" w.c. min
	Carrier gas, 1/8" SST male tube	20 PSIG
	Exhaust 1/8" SST male tube	
Carrier gas:	Air or nitrogen (2 l/h to 10 l/h typical)	

Electronics

Signal amplifier:	tunable x1 to x10
AID converter:	to 19 bit, 1 Hz to 10 Hz variable
Linearity:	+/-0.03% for 1/10 FS
Drift:	+/-50 ppm FS/K
Outputs:	four relay outputs (30 V switching voltage and 5 amp switching current), three 4-20 mA configurable outputs
Dimensions:	22" wide x 14" high x 14" deep
Weight:	30 lbs.
Power supply:	12 VDC , 110/120 VAC 230 /240 VAC
Rating:	General Purpose (Standard), Class 1, Div 2 optional
Standards:	Conforms to CE, VDE, ISO 19739 (ISO 6326 T2) NFPA 496 for Class I, Div 2 unit

OPTIONS

Several configuration options exist for this analyzer. Depending on installation location we can offer versions that are suitable for single or dual stream analysis, in both general purpose and Class I, Division 2 variants. Complete analyzer buildings including calibration gas and carrier gas systems as well as installation and commissioning services are routinely provided to our natural gas pipeline customers.

Single & dual stream units

Class 1 Div 2 with external PC

Class 1 Div 2 with internal PC

US Master Distributor:

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