



Falco PID – Fixed VOC Gas Detection Toxic Gas Detection Transmitter

The ION Science Falco is an explosion proof transmitter for the continuous monitoring of volatile organic compounds (VOC) in ambient air. Its integrated PID (Photoionization Detector) sensor is extremely sensitive down to fractions of ppm yet resistant to extreme industrial conditions. An optional built in sampling pump extends its application scope.

Benefits

Typhoon Technology for harsh environments

Designed for working in the most extreme conditions, its unique Typhoon Technology safeguards the sensor from condensing humidity while its anti contamination design allows maintenance free operation for extended periods in the harshest environments. Falco also incorporates ION Science's patented Fence Electrode Technology for the most accurate PID performance over all humidities..

Flexible communication options

Falco can operate as a standalone detector with its bright multi-colored status display and can also be easily integrated into any system via analog 4-20 mA, Modbus RS-485 and relays.

10.6 eV and 10.0 eV lamps available

Falco is supplied with a 10.6 eV lamp allowing the instrument to detect a wide range of VOC gases whereas Falco TAC utilizes a 10.0 eV lamp to detect Total Aromatic Compounds (TACs), which helps focus on benzene..

Ease of maintenance & low cost of ownership

- Easy to navigate unique 5 magnetic button interface
- Intrinsically safe sensor housing permits hot sensor replacement in classified areas
- 10,000 hour lamp life
- Easy to replace electrode stack

System Components

D-6806-2016



Dräger REGARD 7000

The Dräger REGARD 7000 is a modular and highly expandable control system for monitoring various gases and vapors. Ideal for gas warning systems with various levels of complexity and numbers of transmitters, the Dräger REGARD 7000 delivers exceptional reliability and efficiency. An additional benefit is the controller's backward compatibility with the REGARD.

D-39957-2021



Dräger REGARD 3000

Monitor various gases and vapors with the modular Dräger REGARD 3000 control system. Its multi-colored light signals the status of your gas detection system. The controller allows for up to three I/O modules: Analog Input, Relay Output, and Modbus Gateway. You can monitor up to 4 analog transmitters and control up to 8 relays.

D-1129-2010



Dräger REGARD 3920

The Dräger REGARD 3920 is a standalone, self-contained control system for the detection of Toxic, Oxygen and Ex hazards. The control system is fully configurable between 1 and 16 channels, depending upon the type and quantity of input/output boards installed.

Related Products

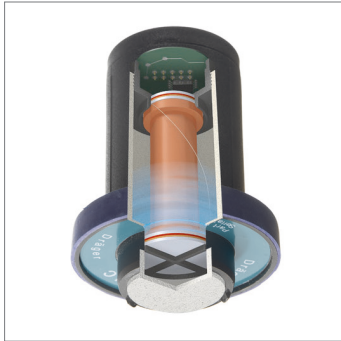
D-4050-2022



Dräger Polytron® 8100 EC

The Polytron® 8100 EC is Dräger's top of the line, explosion-proof transmitter for the detection of toxic gases or oxygen. It uses a high performance plug and play electrochemical DrägerSensor to detect a specific gas. Besides having a 3-wire 4 to 20 mA analog output with relays, it also offers HART®, Modbus and Fieldbus protocols, making it compatible with most control systems.

D-19051-2016



Electrochemical (EC) DrägerSensor®

Fast response, high accuracy, great stability, long life. Electrochemical DrägerSensors offer all these benefits. You can use the robust and long-life sensors for the selective measurement of the smallest concentrations of toxic gases and oxygen in ambient air.

D-14983-2010



Dräger Polytron® 8700 IR

The Dräger Polytron® 8700 IR is an advanced explosion proof transmitter for the detection of hydrocarbon gases in the lower explosion limit (LEL) and ppm. It uses a high performance infrared Dräger PIR 7000 sensor, which will quickly detect most common hydrocarbon gases. Besides a 3 wire 4 to 20 mA analog output with relays, it also offers HART®, Modbus, and Fieldbus making it compatible with most control systems.

Technical Data

Sensor	Photoionization detector
Falco detection ranges and sensitivity with 10.6eV lamp fitted*	0.001 ppm – 10.0 ppm
	0.01 ppm – 50.0 ppm
	0.1 ppm – 1000 ppm
	1 ppm – 3000 ppm
Falco TAC detection ranges and sensitivity with 10.0eV lamp fitted*	0.01 ppm – 50.0 ppm
Response time (T90)	Diffused models: < 30 seconds**
Accuracy	± 5% or ± 1 digit
User interface	OLED high contrast white on black: 128 x 64 pixels Screen size: 35 mm (w) x 17.5 mm (h) 5 magnetic switches with LED confirmation (up, down, left, right & enter).
Status indicator	Bright visible status indicator: RED, AMBER, GREEN
Output	4 – 20 mA 2 programmable relays RS 485 Modbus®
Falco diffused environmental specification	
Operational temperature:	-40 °C to 50 °C (-40 °F to 122 °F) 0-100% RH and condensing humidity
Storage temperature:	-40 °C to 60 °C (-40 °F to 140 °F)
Falco pumped environmental specification	
Operational temperature:	-20 °C to 50 °C (-40 °F to 122 °F) 0-100% RH and condensing humidity
Storage temperature:	-20 °C to 60 °C (-40 °F to 140 °F)
Ingress Protection	
Main unit	IP65
Sensor head	IP65
Power	Working voltage: 12 to 40 VDC Typical 2 W, Max. 7 watts
Mechanical interface	2 x cable entry points with 3/4" NPT threads (left and right)
Mounting points	2 x M8
Weight & Dimensions	– Diffusion 2.9 kg (6.4 lb) – Pumped 3.3 kg (7.3 lb) – Diffusion 205 (h) x 180 (w) x 125 (d) mm (8.1" x 7.1" x 4.9") – Diffusion 291 (h) x 191 (w) x 125 (d) mm (11.5" x 7.5" x 4.9")
EMC	– EMC Directive 2014/30/EU
Certification	II 2G db ib IIC T4 Gb Class 1, Div 1 Groups ABCD T4 ISO9001:2015

* All specifications quoted are at calibration point and under the same ambient conditions. Specifications are based on isobutylene calibration at 20 °C and 1000 mBar.

** When set to continuous measurement

Modbus® is a registered trademark of Schneider Electric

Ordering Information

Falco PID Transmitters (includes calibration adapter)

Falco PID 10.6 eV 0.001-10 ppm diffusion operation	3723224
Falco PID 10.6 eV 0.001-10 ppm with integrated pump	3723223
Falco PID 10.6 eV 0.01-50 ppm diffusion operation	3723222
Falco PID 10.6 eV 0.01-50 ppm with integrated pump	3723221
Falco PID TAC 10.0 eV 0.01-50 ppm diffusion operation	3723220
Falco PID TAC 10.0 eV 0.01-50 ppm with integrated pump	3723219
Falco PID 10.6 eV 0.1-1000 ppm diffusion operation	3706183
Falco PID 10.6 eV 0.1-1000 ppm with integrated pump	3706179
Falco PID 10.6 eV 0.1-3000 ppm diffusion operation	3723218
Falco PID 10.6 eV 0.1-3000 ppm with integrated pump	3723217

Falco PID Accessories

Magnetic wand Falco PID	3706186
Process adapter Falco PID for diffusion model	3702619
Stainless steel stopping plug for unused housing port	3706189
Cylinder regulator 500 cc 5/8"-18 UNF Brass	4557020
Zero Air Cal Gas 20.9% O2 bal N2 103L	4510058
Cal gas isobutylene (C ₄ H ₈) 5 ppm 103L	3700261
Cal gas isobutylene (C ₄ H ₈) 100 ppm 103L	3701256

Falco PID Spare Parts

MiniPID 2 Falco white 10-1000 ppm	3706185
MiniPID 2 Falco orange 50-3000 ppm	3723736
MiniPID 2 Falco TAC 0.1-50ppm	3723730
Electrode set white (0.1-10ppm & 0.1-1000ppm)	MD29346
Electrode set orange (0.1-50ppm & 0.1-3000ppm)	3703373
Electrode set Falco TAC 0.1-50ppm	3723724
UV lamp 10.6 eV PID Falco	3706176
UV lamp cleaning kit Falco	3706178
Opening tool PID Falco Sensor	3706184
PTFE filter disc PID Falco diffusion	3706177
Moisture filter PID Falco pump oper.	3706188

Falco PID 10.6 eV abridged list of detectable VOCs

Chemical name	CAS no.	Falco 0.1-1000 ppm range	Chemical name	CAS no.	Falco 0.1-1000 ppm range
Acetamide	60-35-5	0.2 - 1000 ppm	Furfural	98-01-1	0.1 - 800 ppm
Acetic anhydride	108-24-7	0.4 - 1000 ppm	Furfuryl alcohol	98-00-0	0.2 - 1000 ppm
Acetoin	513-86-0	0.1 - 1000 ppm	Gasoline	8006-61-9	0.1 - 900 ppm
Acetone	67-64-1	0.1 - 1000 ppm	Glutaraldehyde	111-30-8	0.1 - 900 ppm
Acetophenone	98-86-2	0.1 - 600 ppm	Heptan-2-one	110-43-0	0.1 - 900 ppm
Acrolein	107-02-8	0.3 - 1000 ppm	Heptane	142-82-5	0.2 - 1000 ppm
Allyl acetoacetate	1118-84-9	0.2 - 1000 ppm	Heptanol	53535-33-4	0.2 - 1000 ppm
Allyl alcohol	107-18-6	0.2 - 1000 ppm	Hexamethyldisilazane, 1,1,1,3,3,3-	999-97-3	0.1 - 500 ppm
Allyl chloride	107-05-1	0.5 - 1000 ppm	Hexamethyldisiloxane	107-46-0	0.1 - 300 ppm
Allyl glycidyl ether	106-92-3	0.1 - 800 ppm	Hexamethylene diisocyanate	822-06-0	0.2 - 1000 ppm
Amyl acetate, sec-	628-63-7	0.2 - 1000 ppm	Hexan-2-one	591-78-6	0.1 - 800 ppm
Amyl alcohol	71-41-0	0.3 - 1000 ppm	Hexane	110-54-3	0.3 - 1000 ppm
Aniline	62-53-3	0.1 - 500 ppm	Hexanol	111-27-3	0.2 - 1000 ppm

Falco PID 10.6 eV abridged list of detectable VOCs

Chemical name	CAS no.	Falco 0.1-1000 ppm range	Chemical name	CAS no.	Falco 0.1-1000 ppm range
Anisole	100-66-3	0.1 - 600 ppm	Hexene, 1-	592-41-6	0.1 - 1000 ppm
Benzaldehyde	100-52-7	0.1 - 700 ppm	Hydrazine	302-01-2	0.3 - 1000 ppm
Benzene	71-43-2	0.1 - 500 ppm	Hydrogen sulfide	2148878	0.4 - 1000 ppm
Benzoic acid	65-85-0	0.1 - 700 ppm	Indene	95-13-6	0.1 - 500 ppm
Benzonitrile	100-47-0	0.1 - 700 ppm	Indole	120-72-9	0.1 - 400 ppm
Benzoquinone, p-	106-51-4	0.1 - 1000 ppm	Iodine	7553-56-2	0.1 - 200 ppm
Benzyl acetate	140-11-4	0.1 - 600 ppm	Iodoform	75-47-8	0.2 - 1000 ppm
Benzyl alcohol	100-51-6	0.1 - 1000 ppm	Iodomethane	74-88-4	0.1 - 400 ppm
Benzyl chloride	100-44-7	0.1 - 700 ppm	Isobornyl acetate	125-12-2	0.1 - 500 ppm
Benzyl formate	104-57-4	0.1 - 800 ppm	Isobutyl acetate	110-19-0	0.2 - 1000 ppm
Benzyl isobutyrate	103-28-6	0.1 - 500 ppm	Isobutylene	115-11-7	0.1 - 1000 ppm
Benzyl nitrile	140-29-4	0.1 - 1000 ppm	Isooctane	540-84-1	0.1 - 1000 ppm
Benzylamine	100-46-9	0.1 - 600 ppm	Isopentanol	137-32-6	0.2 - 1000 ppm
Biphenyl	92-52-4	0.1 - 400 ppm	Isoprene	78-79-5	0.1 - 900 ppm
Bromo-2-chloroethane, 1-	107-04-0	0.3 - 1000 ppm	Isopropanol	67-63-0	0.4 - 1000 ppm
Bromo-2-methylpentane, 1-	25346-33-2	0.2 - 1000 ppm	Isopropyl acetate	108-21-4	0.2 - 1000 ppm
Bromoacetone	598-31-2	0.1 - 1000 ppm	Isopropylamine	75-31-0	0.1 - 1000 ppm
Bromobenzene	108-86-1	0.1 - 300 ppm	Isovaleraldehyde	590-86-3	0.1 - 1000 ppm
Bromobutane, 1-	109-65-9	0.2 - 1000 ppm	Jet Fuel JP-5		0.1 - 700 ppm
Bromoethane	74-96-4	0.2 - 1000 ppm	Kerosene	8008-20-6	0.1 - 800 ppm
Bromoethyl methyl ether, 2-	6482-24-2	0.3 - 1000 ppm	Linalyl acetate	115-95-7	0.1 - 1000 ppm
Bromoform	75-25-2	0.3 - 1000 ppm	Menthol	1490-04-6	0.1 - 500 ppm
Bromopentane, 1-	110-53-2	0.1 - 1000 ppm	Mercaptoacetic acid	68-11-1	0.1 - 1000 ppm
Bromopropane, 1-	106-94-5	0.2 - 1000 ppm	Methacrylamide	79-39-0	0.2 - 1000 ppm
Butadiene diepoxide, 1,3-	1464-53-5	0.4 - 1000 ppm	Methacrylic acid	79-41-4	0.2 - 1000 ppm
Butadiene, 1,3-	106-99-0	0.1 - 800 ppm	Methoxy-1-butanol, 3-	2517-43-3	0.3 - 1000 ppm
Butanedione, 2,3-	431-03-8	0.1 - 900 ppm	Methoxyethane	540-67-0	0.1 - 1000 ppm
Butanol, 1-	71-36-3	0.4 - 1000 ppm	Methoxyethanol, 2-	109-86-4	0.3 - 1000 ppm
Buten-3-ol, 1-	598-32-3	0.2 - 1000 ppm	Methoxyethene	107-25-5	0.1 - 1000 ppm
Butene, 1-	106-98-9	0.2 - 1000 ppm	Methoxypropane, 2-	598-53-8	0.1 - 1000 ppm
Butenoic acid, 3-	107-93-7	0.2 - 1000 ppm	Methoxypropyl acetate	108-65-6	0.2 - 1000 ppm
Butoxyethanol, 2-	111-76-2	0.1 - 1000 ppm	Methyl acetoacetate	105-45-3	0.3 - 1000 ppm
Butoxyethylacetate, 2-	112-07-2	0.2 - 1000 ppm	Methyl acrylate	96-33-3	0.4 - 1000 ppm
Butyl acetate	123-86-4	0.3 - 1000 ppm	Methyl benzoate	93-58-3	0.1 - 1000 ppm
Butyl acrylate	141-32-2	0.2 - 1000 ppm	Methyl bromide	74-83-9	0.2 - 1000 ppm
Butyl butyrate	109-21-7	0.2 - 1000 ppm	Methyl ethyl ketone	78-93-3	0.1 - 1000 ppm
Butyl chloroformate	592-34-7	0.3 - 1000 ppm	Methyl ethyl ketone peroxides	1338-23-4	0.1 - 800 ppm
Butyl ether, n-	142-96-1	0.1 - 800 ppm	Methyl isobutyl ketone	108-10-1	0.1 - 900 ppm
Butyl iodide	542-69-8	0.1 - 1000 ppm	Methyl isopropyl ketone	563-80-4	0.1 - 1000 ppm
Butyl isocyanate	111-36-4	0.3 - 1000 ppm	Methyl isothiocyante	556-61-6	0.1 - 600 ppm

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Chemical name	CAS no.	Falco 0.1-1000 ppm range	Chemical name	CAS no.	Falco 0.1-1000 ppm range
Butyl mercaptan, tert-	75-66-1	0.1 - 600 ppm	Methyl mercaptan	74-93-1	0.1 - 700 ppm
Butyl methacrylate	97-88-1	0.1 - 1000 ppm	Methyl methacrylate	80-62-6	0.1 - 1000 ppm
Butyl propionate, n-	590-01-2	0.2 - 1000 ppm	Methyl phenyl acetate	101-41-7	0.1 - 400 ppm
Butylamine, n-	109-73-9	0.1 - 1000 ppm	Methyl propionate	554-12-1	0.4 - 1000 ppm
Butylbenzene	104-51-8	0.1 - 500 ppm	Methyl salicylate	119-36-8	0.1 - 800 ppm
Butylphenol, o-sec-	89-72-5	0.1 - 900 ppm	Methyl sulfide	75-18-3	0.1 - 800 ppm
Butyraldehyde	123-72-8	0.2 - 1000 ppm	Methyl tert-butyl ether	1634-04-4	0.1 - 1000 ppm
Camphene	565-00-4	0.1 - 500 ppm	Methyl vinyl ketone	78-94-4	0.1 - 600 ppm
Carbon disulfide	75-15-0	0.1 - 1000 ppm	Methyl-1-butene, 3-	563-45-1	0.1 - 800 ppm
Carbon tetrabromide	558-13-4	0.3 - 1000 ppm	Methyl-2-butanol, 3-	598-75-4	0.3 - 1000 ppm
Carene	13466-78-9	0.1 - 500 ppm	Methyl-2-pyrrolidinone, N-	872-50-4	0.1 - 900 ppm
Carvacrol	499-75-2	0.1 - 800 ppm	Methylamine	74-89-5	0.2 - 1000 ppm
Carvone, R-	6485-40-1	0.2 - 1000 ppm	Methylbutanal, 2-	96-17-3	0.1 - 1000 ppm
Chloramine	10599-90-3	0.2 - 1000 ppm	Methylcyclohexane	108-87-2	0.1 - 1000 ppm
Chloro-2-propanone, 1-	78-95-5	0.1 - 1000 ppm	Methylcyclohexanol, 4-	589-91-3	0.2 - 1000 ppm
Chloroacetaldehyde	107-20-0	0.3 - 1000 ppm	Methylcyclopentane	96-37-7	0.2 - 1000 ppm
Chlorobenzene	108-90-7	0.1 - 500 ppm	Methylhexan-2-one, 5-	541-85-5	0.1 - 800 ppm
Chlorocyclohexane	542-18-7	0.2 - 1000 ppm	Methylhydrazine	60-34-4	0.1 - 1000 ppm
Chloroethyl methyl ether, 2-	627-42-9	0.3 - 1000 ppm	Methylpentane, 2-	107-83-5	0.3 - 1000 ppm
Chloroethyl methyl ether, 2-	627-42-9	0.3 - 1000 ppm	Methylpyrrole, N-	96-54-8	0.1 - 900 ppm
Chloromethoxyethane	3188-13-4	0.4 - 1000 ppm	Methylstyrene	25013-15-4	0.1 - 500 ppm
Chloroprene	126-99-8	0.1 - 1000 ppm	Mineral spirits	64475-85-0	0.1 - 800 ppm
Chlorostyrene, o-	2039-87-4	0.1 - 400 ppm	Morpholine	110-91-8	0.4 - 1000 ppm
Chlorotoluene, p-	106-43-4	0.1 - 400 ppm	Naphthalene	91-20-3	0.1 - 400 ppm
Chlorotrifluoroethylene	79-38-9	0.1 - 1000 ppm	Nitrobenzene	98-95-3	0.2 - 1000 ppm
Citronellal	106-23-0	0.1 - 900 ppm	Nonane	111-84-2	0.1 - 1000 ppm
Creosote	8021-39-4	0.1 - 1000 ppm	Norbornadiene, 2,5-	121-46-0	0.1 - 600 ppm
Cresol, m-	108-39-4	0.2 - 1000 ppm	Octane	111-65-9	0.2 - 1000 ppm
Cumene	6117-91-5	0.1 - 800 ppm	Octanol (mixed isomers)	111-87-5	0.2 - 1000 ppm
Cyclohexane	110-82-7	0.1 - 1000 ppm	Octene, 1-	111-66-0	0.1 - 700 ppm
Cyclohexanol	108-93-0	0.2 - 1000 ppm	Oxydiethanol, 2,2'-	111-46-6	0.2 - 1000 ppm
Cyclohexanone	108-94-1	0.1 - 1000 ppm	Pentan-2-one	107-87-9	0.1 - 1000 ppm
Cyclohexene	110-83-8	0.1 - 900 ppm	Pentanal	110-62-3	0.2 - 1000 ppm
Cyclohexylamine	108-91-8	0.3 - 1000 ppm	Pentandione, 2,4-	123-54-6	0.1 - 1000 ppm
Cyclopentadiene	542-92-7	0.1 - 800 ppm	Pentanol, 2-	6032-29-7	0.2 - 1000 ppm
Cymene, p-	99-87-6	0.1 - 400 ppm	Perfluorobutadiene	685-63-2	0.3 - 1000 ppm
Decahydronaphthalene	91-17-8	0.1 - 900 ppm	Petroleum ether	8032-32-4	0.1 - 900 ppm
Decane	124-18-5	0.1 - 1000 ppm	Phenol	108-95-2	0.1 - 900 ppm
Diacetone alcohol	123-42-2	0.1 - 900 ppm	Phenoxyethanol, 2-	122-99-6	0.5 - 1000 ppm
Dibromoethane, 1,2-	106-93-4	0.2 - 1000 ppm	Phenylethyl acetate, 1-	93-92-5	0.1 - 700 ppm
Dibromomethane	74-95-3	0.2 - 1000 ppm	Phosphine	7803-51-2	0.2 - 1000 ppm

Falco PID 10.6 eV abridged list of detectable VOCs

Chemical name	CAS no.	Falco 0.1-1000 ppm range	Chemical name	CAS no.	Falco 0.1-1000 ppm range
Dichloro-1,2-difluoroethene, 1,2-	598-88-9	0.2 - 1000 ppm	Picoline, 3-	108-99-6	0.1 - 700 ppm
Dichloro-1-propene, 2,3-	78-88-6	0.1 - 1000 ppm	Pinene, α-	2437-95-8	0.1 - 300 ppm
Dichloro-2,2-difluoroethene, 1,1-	79-35-6	0.1 - 1000 ppm	Piperidine	110-89-4	0.1 - 1000 ppm
Dichloroethene, 1,1-	75-35-4	0.1 - 1000 ppm	Piperylene	504-60-9	0.1 - 900 ppm
Dicyclopentadiene	77-73-6	0.1 - 700 ppm	Propen-1-imine, 2-	73311-40-7	0.2 - 1000 ppm
Diesel fuel	68334-30-5	0.1 - 800 ppm	Propene	115-07-1	0.1 - 1000 ppm
Diethyl ether	60-29-7	0.1 - 1000 ppm	Propionaldehyde	123-38-6	0.2 - 1000 ppm
Diethyl malonate	105-53-3	0.4 - 1000 ppm	Propyl acetate, n-	109-60-4	0.3 - 1000 ppm
Diethyl phosphite	762-04-9	0.2 - 1000 ppm	Propylamine, n-	107-10-8	0.1 - 1000 ppm
Diethyl phthalate	84-66-2	0.1 - 1000 ppm	Propylbenzene	103-65-1	0.1 - 500 ppm
Diethyl sulfide	352-93-2	0.1 - 600 ppm	Propylene glycol ethyl ether acetate	98516-30-4	0.1 - 1000 ppm
Diethyl sulfone	597-35-3	0.2 - 1000 ppm	Propyleneimine	75-55-8	0.1 - 1000 ppm
Diethylamine	109-89-7	0.1 - 1000 ppm	Propyne	74-99-7	0.4 - 1000 ppm
Diethylaminoethanol, 2-	100-37-8	0.3 - 1000 ppm	Pyridine	110-86-1	0.1 - 700 ppm
Diethylene glycol monoethyl ether	111-90-0	0.1 - 600 ppm	Pyrrrole	109-97-7	0.1 - 1000 ppm
Diethylsilane	542-91-6	0.2 - 1000 ppm	Pyrrrolidine	123-75-1	0.4 - 1000 ppm
Dihydroxybenzene, 1,2-	120-80-9	0.1 - 1000 ppm	Styrene	100-42-5	0.1 - 500 ppm
Dihydroxybenzene, 1,3-	108-46-3	0.1 - 1000 ppm	Terpineol, α-	98-55-5	0.1 - 800 ppm
Dimethyl ether	115-10-6	0.1 - 1000 ppm	Tert-amyl methyl ether	994-05-8	0.1 - 800 ppm
Dimethylacetamide N,N-	127-19-5	0.1 - 1000 ppm	Tert-butanol	75-65-0	0.2 - 1000 ppm
Dimethylamine	124-40-3	0.2 - 1000 ppm	Tert-butyl bromide	507-19-7	0.1 - 1000 ppm
Dimethylaniline, NN-	121-69-7	0.1 - 600 ppm	Tetrachloroethylene	127-18-4	0.1 - 400 ppm
Dimethylformamide	68-12-2	0.1 - 1000 ppm	Tetraethyl orthosilicate	78-10-4	0.3 - 1000 ppm
Dimethylhydrazine, 1,1-	57-14-7	0.1 - 1000 ppm	Tetrahydrofuran	109-99-9	0.2 - 1000 ppm
Dimethylsilane	1111-74-6	0.2 - 1000 ppm	Tetrahydronaphthalene	119-64-2	0.1 - 400 ppm
Dioxane, 1,4-	142-84-7	0.2 - 1000 ppm	Tetrahydrothiophene	110-01-0	0.1 - 700 ppm
Dipropyl ether	111-43-3	0.1 - 1000 ppm	Tetramethyl orthosilicate	681-84-5	0.2 - 1000 ppm
Di-tert-butyl-p-cresol	128-37-0	0.1 - 300 ppm	Tetramethylbenzene (all isomers)	95-93-2	0.1 - 300 ppm
Divinylbenzene	1321-74-0	0.1 - 700 ppm	Tetramethylsilane	75-76-3	0.2 - 1000 ppm
Dodecene	112-40-3	0.1 - 1000 ppm	Thioacetic acid	507-09-5	0.2 - 1000 ppm
Ethanolamine	141-43-5	0.3 - 1000 ppm	Thiophene	110-02-1	0.1 - 500 ppm
Ethoxy-2-propanol, 1-	1569-02-4	0.2 - 1000 ppm	Titanium-n-propoxide	3087-37-4	0.3 - 1000 ppm
Ethoxyethanol, 2-	110-80-5	0.2 - 1000 ppm	Toluene	108-88-3	0.1 - 600 ppm
Ethoxyethyl acetate, 2-	111-15-9	0.3 - 1000 ppm	Toluene-2,4-diisocyanate	584-84-9	0.2 - 1000 ppm
Ethyl acetate	141-78-6	0.5 - 1000 ppm	Toluidine, o-	95-53-4	0.1 - 500 ppm
Ethyl acrylate	140-88-5	0.2 - 1000 ppm	Tributylamine	102-82-9	0.1 - 1000 ppm

Falco PID 10.6 eV abridged list of detectable VOCs

Chemical name	CAS no.	Falco 0.1-1000 ppm range	Chemical name	CAS no.	Falco 0.1-1000 ppm range
Ethyl benzoate	93-89-0	0.1 - 900 ppm	Trichloroethylene	79-01-6	0.1 - 600 ppm
Ethyl butyrate	105-54-4	0.1 - 1000 ppm	Triethyl phosphate	78-40-0	0.4 - 1000 ppm
Ethyl cyanoacrylate	7085-85-0	0.2 - 1000 ppm	Triethyl silane	617-86-7	0.2 - 1000 ppm
Ethyl hexyl acrylate, 2-	103-11-7	0.1 - 1000 ppm	Triethylamine	121-44-8	0.1 - 1000 ppm
Ethyl iodide	75-03-6	0.1 - 300 ppm	Trimethylamine	75-50-3	0.1 - 500 ppm
Ethyl lactate	97-64-3	0.2 - 1000 ppm	Trimethylbenzene, 1,3,5-	108-67-8	0.1 - 400 ppm
Ethyl mercaptan	75-08-1	0.1 - 600 ppm	Trimethylsilane	993-07-7	0.1 - 1000 ppm
Ethyl methacrylate	97-63-2	0.1 - 1000 ppm	Trioxane	110-88-3	0.2 - 1000 ppm
Ethyl phenyl acetate	101-97-3	0.1 - 1000 ppm	Turpentine	9005-90-7	0.1 - 600 ppm
Ethyl tert-butyl ether	637-92-3	0.1 - 800 ppm	TVOC		0.1 - 1000 ppm
Ethylamine	75-04-7	0.1 - 1000 ppm	Undecane	1120-21-4	0.1 - 1000 ppm
Ethylbenzene	100-41-4	0.1 - 600 ppm	Vinyl acetate	108-05-4	0.2 - 1000 ppm
Ethylene glycol monopropyl ether	2807-30-9	0.3 - 1000 ppm	Vinyl chloride	75-01-4	0.2 - 1000 ppm
Ethyleneimine	151-56-4	0.2 - 1000 ppm	Vinyl-2-pyrrolidinone, 1-	88-12-0	0.5 - 1000 ppm
Ethylhexanal, 2-	123-05-7	0.2 - 1000 ppm	Vinylcyclohexene	100-40-3	0.1 - 500 ppm
Fluorobenzene	462-06-6	0.1 - 700 ppm	Xylene mixed isomers	1330-20-7	0.1 - 500 ppm
Formamide	75-12-7	0.2 - 1000 ppm	Xylidine, all	1300-73-8	0.1 - 700 ppm
Furan	110-00-9	0.1 - 400 ppm			

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