

THE MULTI-GAS DETECTOR FOR BENZENE AND OTHER CARCINOGENIC SUBSTANCES.

The Dräger X-pid 9000 / 9500 uses an innovative technology to carry out gas chromatography with photoionisation detection.

It has two modes:

'Seeker' mode to perform broad-band measurements to pre-test and localise measurement points. This mode displays the total concentration of VOCs and is similar to using a single-gas PID device.

'Analysis' mode to perform selective measurements and monitor specific carcinogenic compounds in mere seconds. An accurate concentration is automatically calculated for each target compound. It is optimised for benzene and is similar to gas chromatography analyses performed in a laboratory.

The X-pid 9000 / 9500 has a sensor unit and a control unit (ATEX smartphone for zone 2/22) with the mobile app. It can take readings quickly and does not require any consumables.



GAS ANALYSIS X-PID 9000

Gas	Measuring Range	Resolution
C ₆ H ₆ - Benzene	0-25 ppm	0.005 ppm
C ₄ H ₆ - Butadiene, 1,3-	0-25 ppm	0.20 ppm

GAS ANALYSIS X-PID 9500

Compounds	CAS Number	LOD* (ppm)	LOQ** (ppm)	Limite supérieure (ppm)
Acrolein	107-02-8	0.33	1	100
Benzene	71-43-2	0.02	0.05	25
Butadiene, 1,3-	106-99-0	0.07	0.20	25
Butanone, 2-	78-93-3	1	3	300
Dichloroethene, 1,1-	75-35-4	0.33	1	100
Dichloroethene, cis-1,2-	156-59-2	0.07	0.20	50
Dichloroethene, trans-1,2-	156-60-5	0.07	0.20	50
Ethyl acetate	141-78-6	1	3	300
Hexane, n-	110-54-3	0.33	1	100
Isobutylene	115-11-7	0.07	0.20	100
Styrene	100-42-5	1	3	300
Tetrachloroethylene	127-18-4	0.67	2	150
Toluene	108-88-3	0.33	1	100
Trichloroethylene	79-01-6	0.33	1	100
Vinyl chloride	75-01-4	0.33	1	100
Xylene, m-	108-38-3	1	3	300
Xylene, o-	95-47-6	1	3	300
Xylene, p-	106-42-3	1	3	300
Ethylene oxide	75-21-8	0.33	1	100
Ethylbenzene	100-41-4	1	3	100

* Limit of detection (LOD)
** Limit of qualification (LOQ)

In compliance with industrial standards and approvals, such as EN/IEC 60079-0 for potentially explosive atmospheres. The X-PID dräger can be used in refineries and the chemical industry.

TECHNICAL DATA

SENSOR UNIT

Weight: 2 lbs (880 g)

Temperature: +14 to +95 °F (-10 to +35 °C)

Humidity: 10 to 95% relative humidity

Operating time:

± 6 hrs reduces with lower ambient temperatures

Protection Class: IP54

Pump operation: Max. hose length 45 m

Approvals:

ATEX II 1G Ex ia IIC T4 Ga
IECEX Ex ia IIC T4 Ga

COMMAND UNIT

Size: 5.1 x 10.6 x 0.8 in. (13.7 x 27.2 x 2.1 cm)

Weight: 0.64 lbs (290 g)

Protection Class: IP68

Approvals: ATEX II 1G Ex ia IIC T4 Ga

SPECIFICATIONS

- 10.6 eV PID sensor with separation by gas chromatograph
- Up to 90% time savings with selective measurement of benzene in just 30 seconds
- Best-in-class block detection with its semi-conductor pressure sensor
- Laboratory-quality results with gas chromatography technology
- Very user-friendly with its large touchscreen and mobile app
- Wide range of compounds can be selectively measured, plus 18 target toxic compounds