

## Press Release

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### Selective measuring for greater security

New X-pid 9000/9500 gas detector

**The Dräger X-pid 9000/ 9500 detects volatile organic substances such as benzene even at extremely low concentrations. To determine the concentration of certain hazardous substances, the device combines two measuring modes, optimally supporting strategies for measuring in hazardous areas or confined spaces.**

The search measuring mode determines, by way of broad band measuring, the total concentration of volatile organic hydrocarbons in the ambient air. In analysis mode, the device selectively and accurately measures the target substances that the user has selected in advance. The Dräger X-pid 9000 determines benzene and butadiene. More than 15 target substances can be measured with the X-pid 9500, including hexane, isobutylene and xylene. In addition, users can add their own substances to the target substance data base. Cross-sensitivities for substance specific measuring of benzene are reduced to a minimum. The measurement quality is comparable with that of gas chromatography laboratory analyses or individual photoionization detection measurements (PID). Using the gas detector, this technology can be used directly at the production facility in explosion protected areas.

Measurements in analysis mode only take a few seconds. The X-pid 9000/ 9500 measures benzene in 30 seconds at the push of a button. This is not only time-saving, but it also enables a gas analyst to monitor a significantly greater number of measuring points. Other substances such as butadiene are determined by the device in parallel, which also saves time.

#### Detection of low concentrations of hazardous substances

The reliable measuring technology of the X-pid 9000/ 9500 makes it possible to be compliant with EU limit values for the concentration of hazardous substances at the workplace. Low limit values apply to highly volatile substances such as benzene since they have carcinogenic effects even at extremely low concentrations. For benzene, the X-pid 9000/ 9500 achieves a detection limit of 50 ppb.

#### Easy operation via smartphone

The sensor unit can be controlled via an explosion-protected smartphone by means of a Mobile App. The evaluation of the measurement data is also performed by the app. A large-size touch display enables intuitive handling.

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### **Robust behavior and low operating costs**

The device measures reliably under all conditions. Fluctuating outside temperatures or high humidity does not affect the measuring results. For users with a large volume of toxic substance measurements, the X-pid 9000/ 9500 offers cost benefits from one measurement per working day upward compared to other measuring systems. The consumable-free operation reduces operating costs, makes handling easy and avoids operator errors.

The X-pid 9000/ 9500 is manufactured by Dräger MSI GmbH

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