



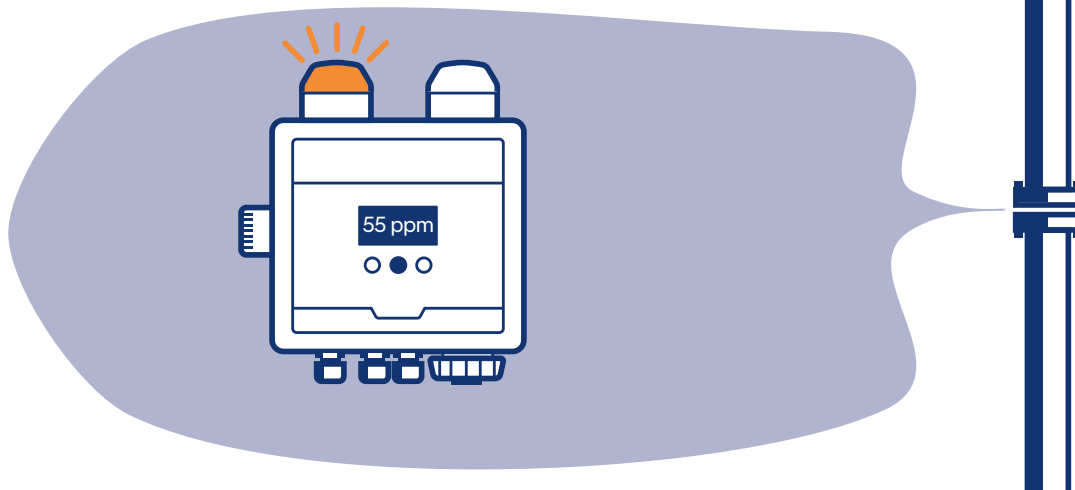
# How to optimally position the PointGard and its remote sensors

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With its compact, yet durable, IP66-rated housing, the Dräger PointGard 3000 can be installed almost anywhere.

However, if the measurement location is not suitable for the installation of the the Dräger PointGard 3000 (for example, because of limited space), you can remove the built-in sensor and install it up to 30 metres away from the main device. To make maintenance and inspection easier, we recommend to permanently connect the remote sensor with a remote calibration adapter. This enables you to easily supply test gas to the remote sensor when needed.

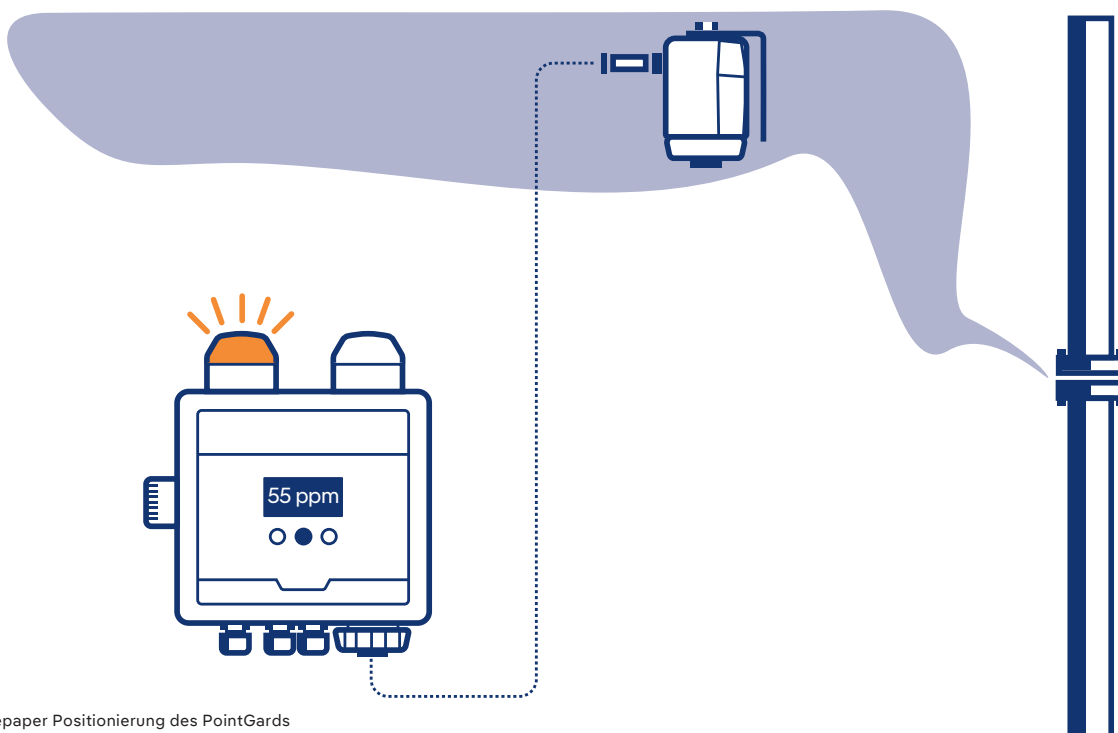
To make installation easier, we offer ready-made accessories, including the pole mounting set for remote sensors and the duct mount kit for adapting sensors into pipes or ventilation shafts. Here are some other factors to keep in mind when choosing where to install the Dräger PointGard 3000 and its remote sensor:

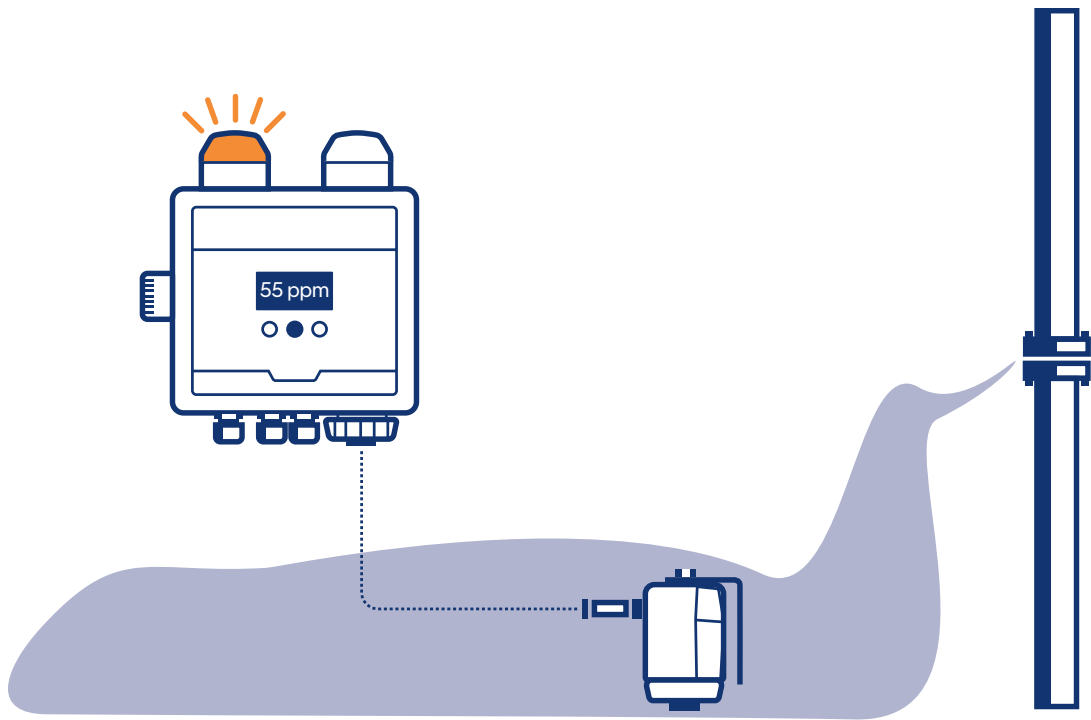


If you are testing for a gas that is approximately as dense as ambient air (for example, CO), the Dräger PointGard 3000 should be mounted at about eye level. This position allows for reliable testing and makes it easier to operate and read the Dräger PointGard 3000. (See image above.)

In spaces with no ventilation or airflow, lighter gases will rise and concentrate at the top of the space. Be sure to install the sensor higher up in that case to ensure

a timely alarm. In this case the Dräger PointGard 3000 device should be mounted separately from the sensor to ensure easy operation and reading. The sensor is then placed in a location where the light gases concentrate. The Dräger PointGard 3000 device can still be mounted at eye level. To make maintenance and inspection easier, we recommend to permanently connect the remote sensor with a remote calibration adapter. This enables you to easily supply test gas to the remote sensor when needed. (See image below.)



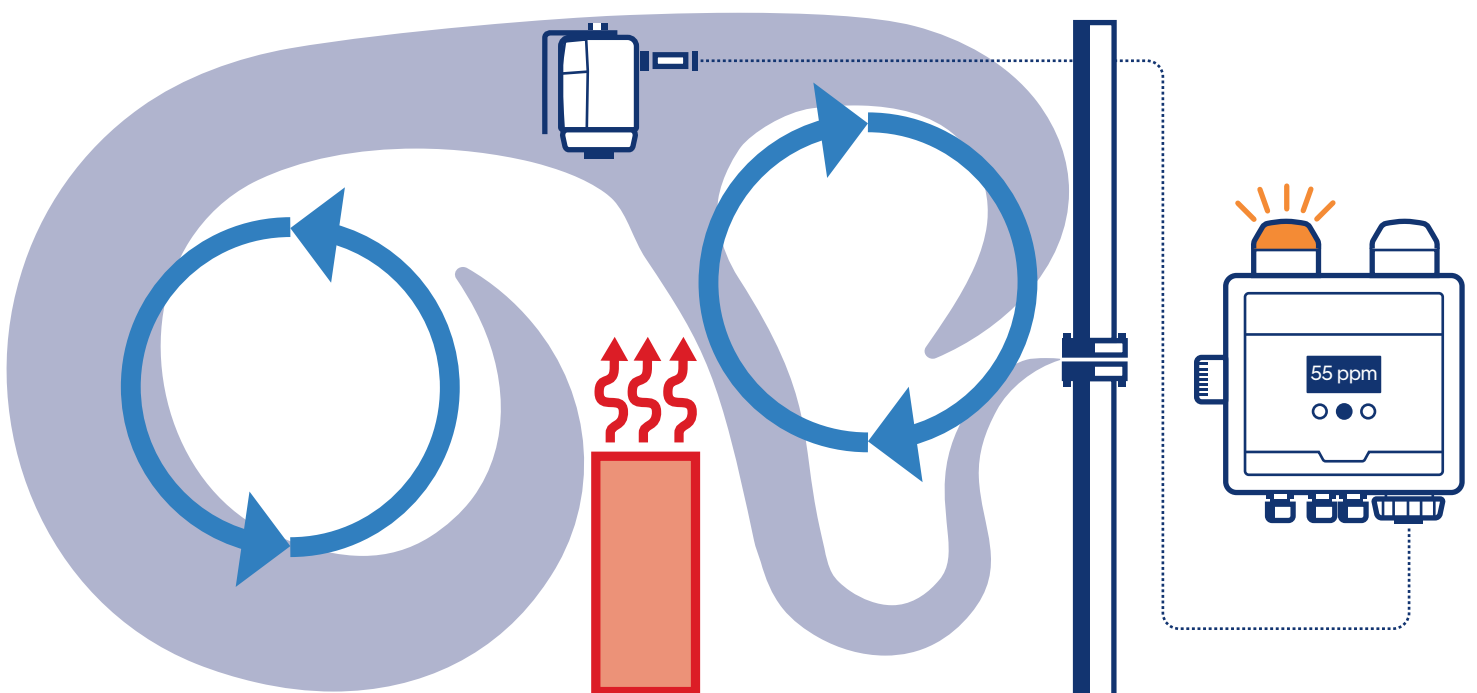


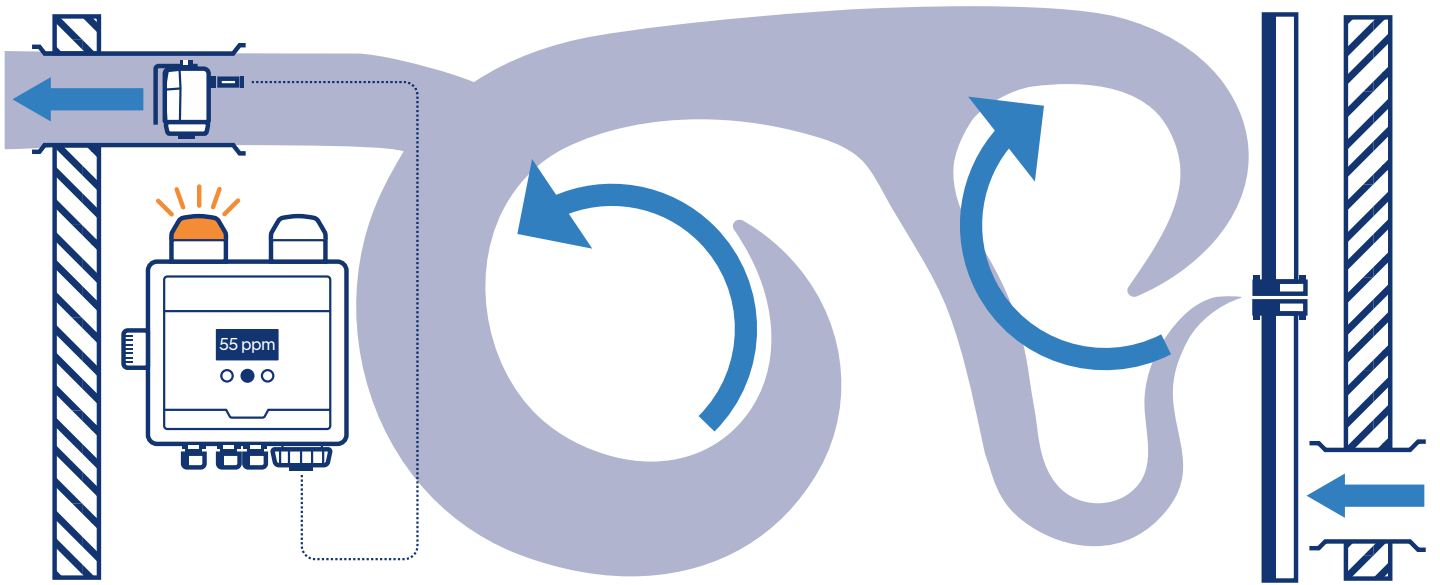
Heavy gases, on the other hand, will sink and concentrate at the bottom of spaces without ventilation or airflow. In that case, be sure to install the remote sensor near the floor. (See image above.)

However, be sure not to install the sensor too near to the floor. You must ensure that there is still space for connecting the calibration adapter, and that dust or liquid from the floor cannot clog the sensor opening and prevent gas from entering it.

This ensures a timely and safe alarm and that the optical alarms of the Dräger PointGard 3000 remain clearly visible.

In spaces with one or more heat sources, air will flow above the heat source as shown below. A safe point for the measurement could be above the heat source. (See image below.)

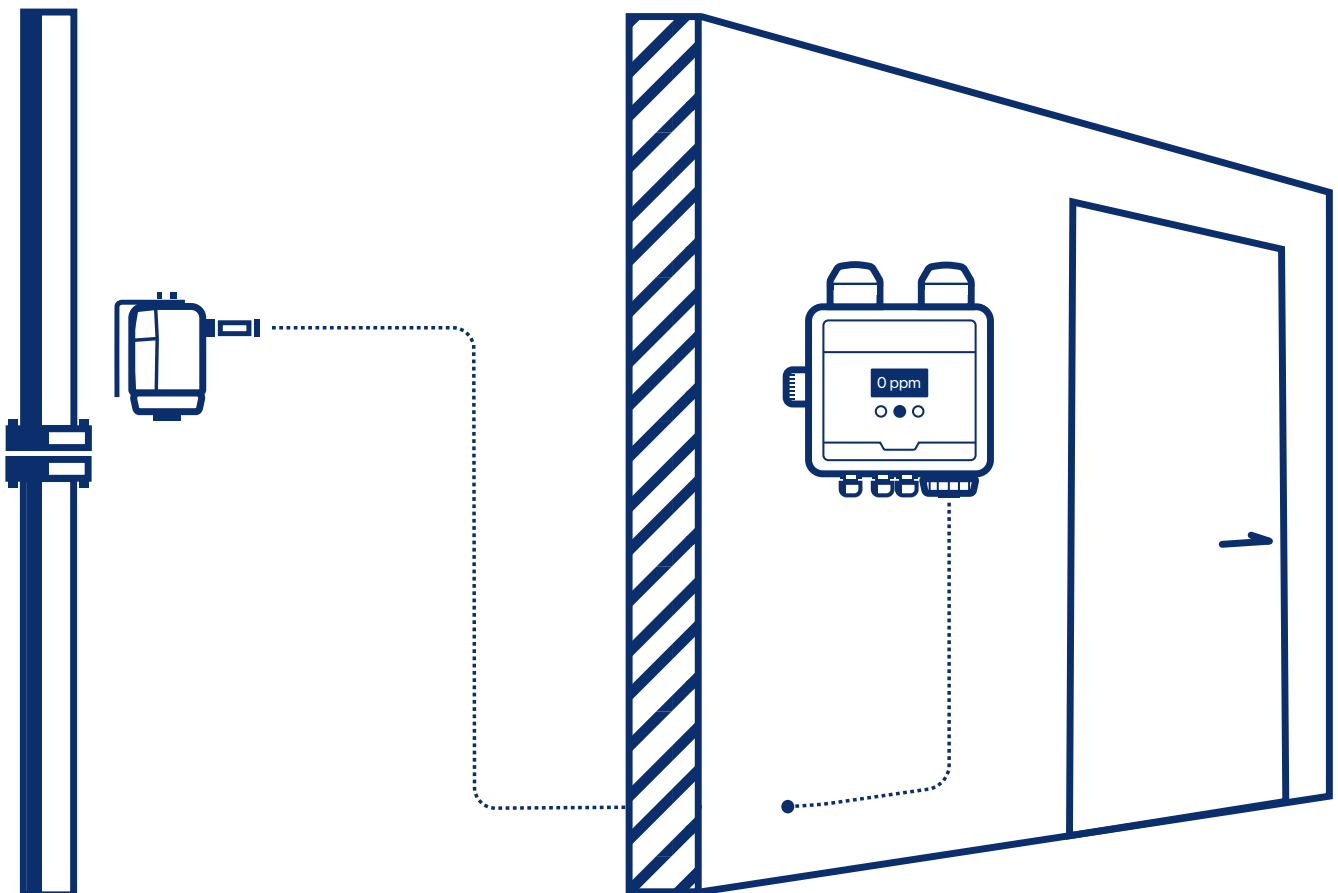




In spaces with forced ventilation, it may be sufficient under some conditions to test for gases at the exhaust air vent. (See image above.)

These instructions apply to all versions of the Dräger PointGard 3000. The maximum cable length between the Dräger PointGard 3000 device and the remote sensor is 30 metres.

The remote sensor enables you to use the Dräger PointGard 3000 to monitor concentrations of hazardous gases in the correct location inside any space. It also lets you test for hazardous gas concentrations before entering confined spaces. In that case, the remote sensor is installed inside the confined space and the PointGard 3000 is mounted outside the space. (See image below.)





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**Corporate Headquarters**

Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany

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