



## All-Round: X-zone 5000 Measures and Gives 360° Alarm

The Dräger X-zone 5000 typically monitors an area with a radius of about 25 meters for hazardous gases. It can increase its radius by interconnecting with up to 25 additional devices to form a wireless fence line. The personal gas detection instrument X-am 5/5600 **1**, which can detect up to six gases, is laid into the intake **2** and charged via contacts **3**. The central power supply is a rechargeable lead-gel battery **4** that operates for 60 hours (12 Ah) or even a complete work week (24 Ah), even in cold environments. Simply placing the battery in a wireless induction charger **5** recharges it within ten hours. The fact that the detector **1** is positioned on the top of the unit allows gas to diffuse into it from all sides independent of the wind direction. Three locking systems **6** that can be locked with half a turn hold the cover cap **7** in place. When the device is in operation the LED ring **8** blinks green and illuminates a ring around it in seg-

ments. If the device **1** detects a gas, the LED color changes from green to red and an alarm **9** is sounded from two speakers mounted in complementary directions. The warning is given with a sound pressure level up to 108 dB @ 1 meter over a frequency spectrum ranging from 1,500 to 2,300 Hertz — similar to the sound pressure level of a jackhammer.

A wireless connection that works even in industrial environments automatically connects up to 25 mobile warning devices to an alarm fence line. As soon as a device detects a gas, it provides a visual warning (red) and emits a loud alarm. All the other devices also sound the alarm signal, and these “daughter alarms” display green/red. A rubberized handle **10** makes the device, which weighs between seven and ten kilograms, convenient to carry. Three solid feet **11** keep it stable and ensure sufficient floor clearance—to avoid puddles, for example.