VARIOTEC® 460 Tracergas **– The specialist for leak detection with tracer gas and hydrogen**

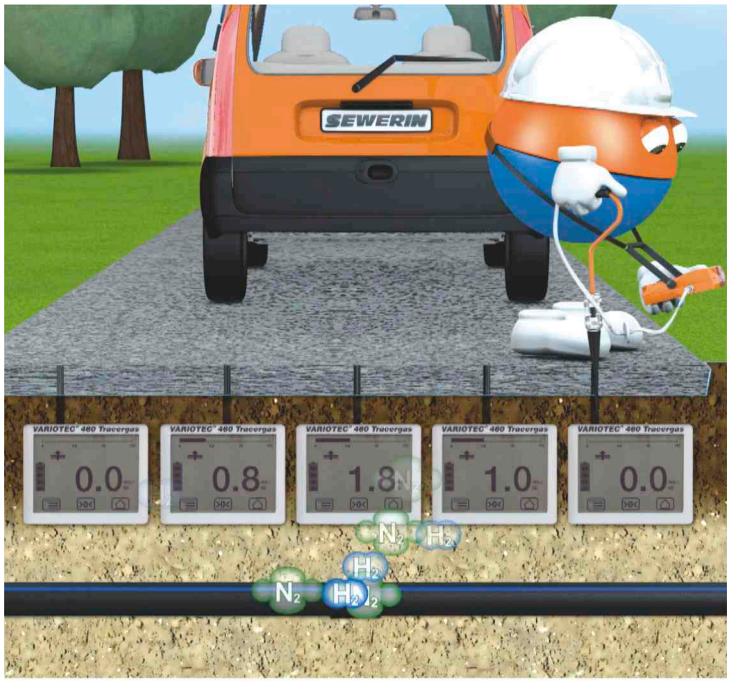
A tried and tested method

Using tracer gas is a tried and tested method of pinpointing leaks. It can be used in gas and water distribution networks, pipelines in buildings, heating systems, pressurized communication cables, gas-filled high voltage power lines and landfill sites sealed with double membrane layers. It can also be used to test for leaks in industrial products such as pipes, pumps, engine blocks and airfoils.

Detecting water leaks by tracer gas involves feeding a mixture of 95% nitrogen (carrier gas) and 5% hydrogen into the pipelines. The hydrogen escapes through the leak and is detected by the highly sensitive, specialized sensor.

The low amount of hydrogen (just 5%) means that this method is safe: the gas is incombustible as per ISO 10156 thanks to the use of nitrogen as the carrier gas. It is non-toxic, and therefore also permitted for use in drinking water networks, as well as non-corrosive.

Tracer gas is cheap and easy to obtain from technical gas or welding gas dealers. It is also environmentally-neutral and permeates all cover layers such as asphalt, concrete and other seal coats. Tracer gas always looks for the shortest route from the leak to the surface.



Rely on precision and safety

The ***VARIOTEC® 460 Tracergas*** was developed especially for leak detection on underground pipes by using tracer gas. It is characterised by an outstanding price to performance ratio.

Precise: The extraordinarily low cross sensitivity of the gas-sensitive semiconductor (SC) ensures an absolutely sure result and a resolution down to 0.1 ppm hydrogen.

Functional: Thanks to an innovative operating concept, a large display and simple menu structure, device operators can quickly get reliable results.

Efficient: In combination with the bell probe D80 you can achieve outstanding reaction times.

Flexible: The expanded measuring range of the thermal-conductivity sensor, up to 100 % vol. hydrogen easily allows for further measuring tasks.

Mobile: The 4 AA-size rechargeable batteries can be charged in just 3 hours and the operating time is at least 8 hours. As an alternative, you can use disposable batteries.