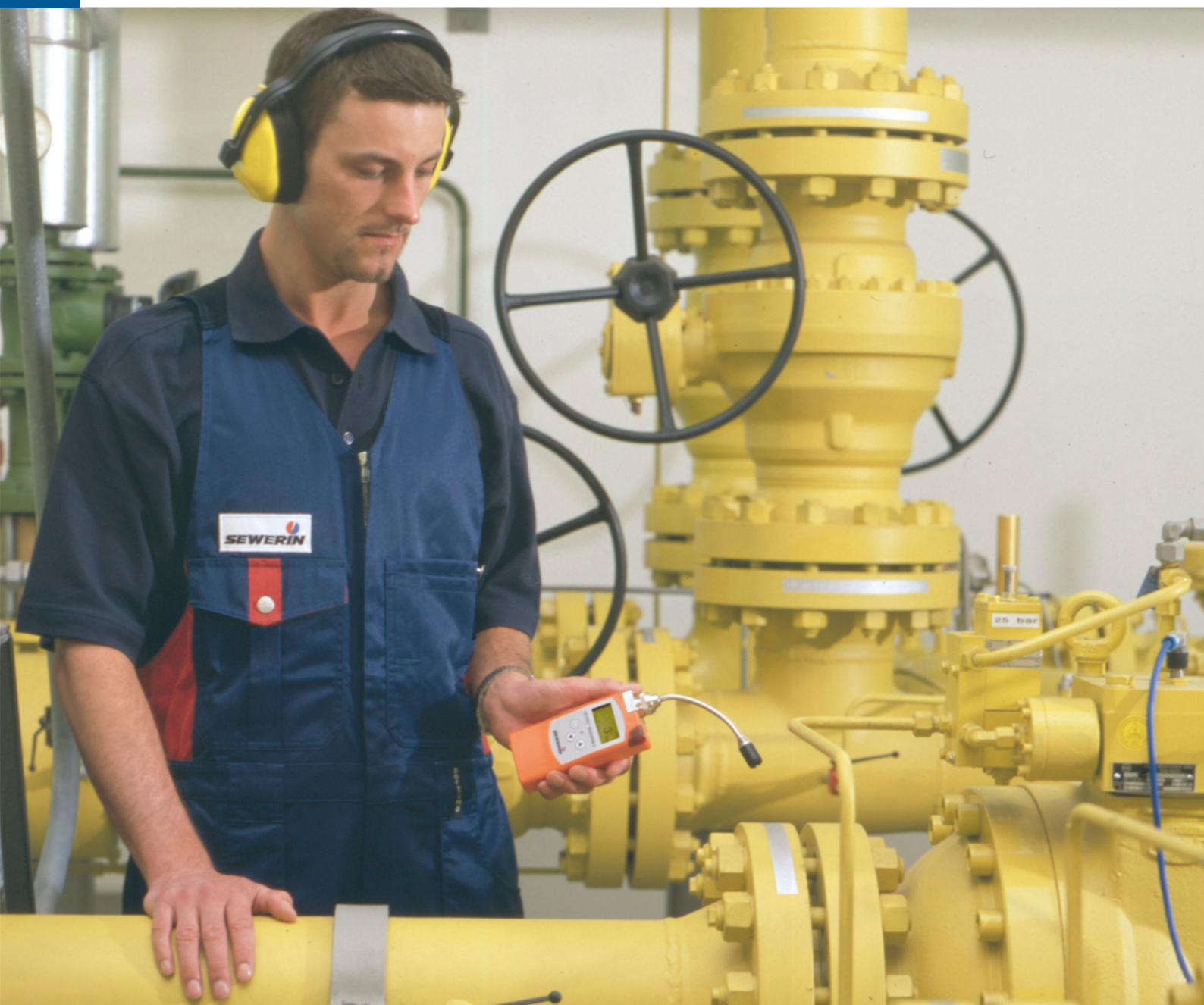


EX-TEC[®] SNOOPER 4 | Explosion-proof gas leak detector with integrated gas database



Features

The **EX-TEC® SNOOPER 4** benefits from a modular equipment concept. It is available as either a diffusion device or a pump device, making it the ideal solution for all gas leak detection situations. An integrated gas database makes it quick and easy to configure the device for different gases, leading to outstanding detection results.



Ranges of use

- Detecting the smallest leaks in installation lines and at connection points
- Testing room air (house test)

Advantages

- Illuminated display
- Self-test on start-up
- Individual configuration, protected by PIN code
- Adjustable test gas concentration
- User-definable minimum sensitivity (between 1 and 100 ppm)
- Visual and audible signals on reaching certain gas concentrations and to indicate the various operating states of the device
- Explosion protection in accordance with TÜV 09 ATEX 555077 X: Ex II 2 G Ex d e ib IIB T4 basic device **without** leather bag for: CH_4 , C_3H_8 , C_4H_{10} , C_6H_{14} , C_9H_{20} , JFUEL; Ex II 2 G Ex d e ib IIC T4 basic device **with** leather bag for: all of the above plus H_2

Sensors / measuring range

- Gas database: allows calibration for methane CH_4 , propane C_3H_8 , butane C_4H_{10} , hexane C_6H_{14} , nonane C_9H_{20} , hydrogen H_2 and kerosene JFUEL
- ppm sensor for methane
- Measuring range for semiconductor sensor: 0 – 22,000 ppm (2.2 % vol. = 50 % LEL)



Available accessories

- Leather bag, case
- Charging station and charging cable
- Flexible probe, flexible hand probe, telescopic probe, hand sensor
- Testing equipment and test gases

Please contact us for a comprehensive quotation, including additional technical specifications and information on accessories.



EX-TEC[®] SNOOPER 4

Device data

Dimensions (W × D × H)	approx. 60 × 144 × 35 mm, without swan neck
Weight	approx. 300 g (pump device) approx. 400 g (diffusion device)

Certificates

Certificate	EC type TÜV 09 ATEX 555077 X II2G Ex d e ib IIB T4 Gb basic device without leather bag for: CH ₄ , C ₃ H ₈ , C ₄ H ₁₀ , C ₆ H ₁₄ , C ₉ H ₂₀ , JFUEL II2G Ex d e ib IIC T4 Gb basic device with leather bag for: CH ₄ , C ₃ H ₈ , C ₄ H ₁₀ , C ₆ H ₁₄ , C ₉ H ₂₀ , JFUEL, H ₂
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Device elements

Display	monochromatic, 132 × 65 pixels
Buzzer	frequency 2.4 kHz, volume 75 dB (A) / 1m
Signal light	red
Pump capacity	vacuum > 150 mbar, volume flow approx. 5 – 15 l/h
Interface	via HG 4 docking station with interface
Operation	menu guided, three keys

Operating conditions

Operating temperature	-20 °C – 40 °C
Storage temperature	-25 °C – 55 °C
Humidity	5 – 90 % r.h., non-condensing
Atmospheric pressure	800 – 1200 hPa
Protection rating	IP54

Power supply

Power supply	NiMH rechargeable or disposable alkaline batteries, type Mignon (AA)
Operating time, typical	at least 8 h
Charging time	approx. 12 h (fully charged) depends on capacity
Charging voltage	12 V DC
Charging current	360 mA (pulsated)

Gas types

Standard	methane CH ₄
Optional	propane C ₃ H ₈ acetylene C ₂ H ₂ butane C ₄ H ₁₀ hexane C ₆ H ₁₄ nonane C ₉ H ₂₀ hydrogen H ₂ jet fuel town gas

Semiconductor sensor ppm range

Measuring range	0 – 22000 ppm (CH ₄)
Resolution	1 ppm
Response times	t ₉₀ < 7 s (pump device) t ₉₀ < 5 s (diffusion device)
Warm-up time	approx. 1 min
Measuring error	30 %
Interference	all flammable gases
Lifetime, expected	5 years