



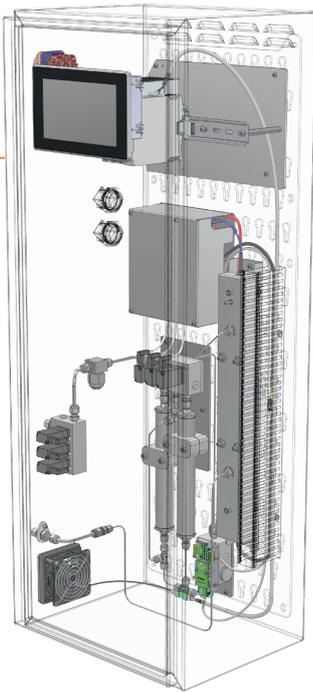
Natural gas network industry



Odorisation of natural gas



Filter control during deodorisation



SIRA

SIRA UV THT

Continuous measurement of odorant gas concentration in natural gas

The SIRA UV THT is a stationary indoor device for realtime determination of the THT (tetrahydrothiophene) content in natural gas. The THT concentration is determined using UV spectroscopy.

Precise measurement of the THT content is necessary in order to achieve reliable control of the THT level in the natural gas grid. The advantage of UV measurement technology is its high measurement frequency, which enables accurate control and close monitoring of the THT concentration.

With its adaptable measurement frequency, extensive customisation capabilities, and virtually maintenancefree design, the SIRA UV THT delivers exceptional versatility and reliability.

Benefits

- High measurement frequency
- Low-maintenance design
- Easy to integrate
- Durable components

Technical data

Monitored substances	Tetrahydrothiophen (THT)
Measuring range	0–50 mg/m ³
Maximum error	1.5 mg/m ³ or 10 % of the measured value, whichever is greater
Repeatability (standard deviation)	< 1/5 of the error limits
Analysing time	< 3 min.

Operating conditions

Operating temperature	0–40 °C
Atmospheric pressure	860–1160 mbar
Relative humidity	95 %, non-condensing
AC mains voltage	115–240 V





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