



  
**SEWERIN**

**EX-TEC® OD 4**



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**Measuring instrument for odorant control in  
accordance with DVGW regulation G 280/281**

## EX-TEC® OD 4

### Odorant measuring – simple and economical

Natural gas is - by nature - odorless and for safety reasons it must be provided with odorous substances (odorants tetrahydrothiophene or tertiary butyl-mercaptan).

The odorant content of natural gases has to be tested regularly in accordance with DVGW regulation G 280/281.

The **EX-TEC® OD 4** is the ideal measuring device for odorant measuring by the gas supplier.

### Features

- ▶ modular instrument concept, basic device without pump (diffusion device) or with built-in pump
- ▶ low release times with pump devices
- ▶ electro-chemical sensors
- ▶ all commercial Mignon accumulators or batteries may be used for power supply
- ▶ micro-processor controlled
- ▶ large, illuminated LCD
- ▶ self-test when switched-on
- ▶ simple handling by three keys
- ▶ internal data storage (PC evaluation possible)
- ▶ visual and optical alarms
- ▶ adjustable threshold
- ▶ temperature compensated sensors
- ▶ user menu
- ▶ function menu for individual instrument configuration (PIN-Code-protected)
- ▶ adjustable test gas concentrations

### Electro-chemical sensors

	Measuring range	Response time $t_{90}$	Durability expected
THT (tetrahydrothiophene)	0 ... 100 mg/m <sup>3</sup>	≈ 210 s	12 – 18 months
TBM (tertiary butyl-mercaptan)	0 ... 100 mg/m <sup>3</sup>	≈ 270 s	9 – 12 months



### Technical Data

operating time:	typ. 50 h diffusion operation typ. 20 h pump operation
power supply:	NiMH accu, rechargeable or 3 Mignon Alkaline batteries
EX-protection (CENELEC):	EC-type-examination certificate according to ATEX 100a, guideline 94/9/EG
▶ certificate No.:	TÜV 01 ATEX 1657
▶ identification:	Ⓔ II 2 G EE e ib IIB T4
pump capacity	
▶ low pressure:	> 150 mbar
▶ volumetric flow:	typ. 5 ... 15 l/h
protection type:	IP 54
operating temperature:	-10 °C ... +40 °C
storage temperature:	-10 °C ... +40 °C
humidity range:	15 ... 95 % r. h., non-condensing
dimensions (W x H x D):	60 x 144 x 35 mm
weight:	approx. 300 g

### Accessories

- ▶ GasIS (PC evaluation software) for documentation of measurements
- ▶ charging technique for 12 V/24 V DC or 100 – 240 V AC
- ▶ carrying bag
- ▶ connection hoses for various pressure ranges
- ▶ test set and test gases
- ▶ case