



**SEWERIN**

**EX-TEC® GM 4**



*Gas warning and gas measuring instrument for proving*

*toxic and flammable gases, as well as oxygen*

## EX-TEC<sup>®</sup> GM 4

The ideal measuring instrument for gas and water suppliers, fire-brigades, sewage plants, landfills, biological gas plants and chemical industry.

### Applications

- leak detection at pipes
- monitoring environmental air
- gas measuring to monitor chemical or biological processes

### Features

- modular instrument concept, basic device without pump (diffusion device) or with built-in pump
- electro-chemical sensors
- interchangeable sensors by the operator
- 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 audible alarms
- adjustable thresholds
- temperature compensated sensors
- user menu
- function menu for individual instrument configuration (PIN-Code protected)
- adjustable test gas concentrations

### Accessories

- GasIs (PC evaluation software) for documentation of measurements
- charging technique for 12 V, 24 V or 100-240 V
- leather bag
- various probe systems
- test sets and test gases
- case



### 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 1:	Ⓔ II 2 G EEx e ib IIB T4 without leather bag
- identification 2:	Ⓔ II 2 G EEx e ib IIC T4 with leather bag (for hydrogen)
pump capacity	
- low pressure:	> 150 mbar
- volumetric flow:	typ. 5 ... 15 l/h
protection type:	IP 54
operating temperature:	- 20 °C ... + 40 °C
storage temperature:	- 20 °C ... + 40 °C
humidity range:	15 ... 90 % r. h., non-condensing
dimensions (W x H x D):	60 x 144 x 35 mm
weight:	approx. 300 g

### Sensorics

Gas	Measuring range	Response time $t_{90}$	Durability expected
CO	0 ... 500 ppm	< 30 s	2-3 years
H <sub>2</sub>	0 ... 10.000 ppm	< 70 s	1-2 years
H <sub>2</sub> S	0 ... 100 ppm	< 30 s	2-3 years
H <sub>2</sub> S	0 ... 2.000 ppm	< 90 s	2 years
NH <sub>3</sub>	0 ... 100 ppm	< 60 s	1-2 years
O <sub>2</sub>	0 ... 25 vol.-%	< 30 s	2 years
HCl	0 ... 30 ppm	< 70 s	1-2 years