

EX-TEC® GM 4



**Gas warning and gas measuring instrument for proving
toxic and flammable gases, as well as oxygen**

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
- 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

Sensorics

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



Technical Data

| | |
|---------------------------------------|---|
| Operating time: | Typically 50 h diffusion operation Typically 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: without leather bag | II 2 G Ex e ib IIB T4 |
| Identification 2: with leather bag | II 2 G Ex e ib IIC T4 (for hydrogen) |
| Pump capacity | |
| Low pressure: | > 150 mbar |
| Volumetric flow: | Typically 5 – 15 l/h |
| Protection type: | IP54 |
| 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 |

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
- Case, test sets and test gases

Please contact us for a detailed quote or more information.



Hermann Sewerin GmbH
Robert-Bosch-Straße 3 | D-33334 Gütersloh
Phone +49 5241 934-0 | Fax +49 5241 934-444
www.sewerin.com | info@sewerin.com