

**EX-TEC® PM 4**



**EX-TEC® PM 4**

**Gas detection, gas warning, gas concentration measuring instrument for ppm, LEL and vol.% range applications**

## EX-TEC® PM 4


### Features

- ▶ Modular instrument concept.  
Basic device without pump (diffusion) or with built-in pump
- ▶ Sensor combinations for diverse applications:

Applications	sensors
warning	%LEL
detecting + warning	ppm + %LEL
warning + measuring	%LEL + vol.%
detecting + measuring	ppm + vol.%
detecting + warning + measuring	ppm + %LEL + vol.%

- ▶ Power supply by rechargeable or disposable batteries
- ▶ Micro-processor controlled
- ▶ Large illuminated LCD display
- ▶ Self-test when switched-on
- ▶ Easy handling
- ▶ Visual and audible alarms
- ▶ Adjustable alarms for each range
- ▶ Temperature compensated sensors
- ▶ Easy to follow operator menu
- ▶ Function menu for instrument configuration (PIN code protected)
- ▶ Operator selectable flammable gas menu (option):  
methane, propane, butane, hexane, nonane, hydrogen, jet fuel
- ▶ Adjustable test gas concentrations

### Approvals

- ▶ Passive protection:
  - ▶ EC-type-examination certificate in accordance with ATEX 100a, guideline 94/9/EG
  - ▶ Certificate No.: TÜV 01 ATEX 1657
  - ▶ Identification:  II 2 G EEx d e ib IIB T4
- ▶ Active protection:
  - ▶ Function safety test in mode "warning" at "Deutsche Montan Technologie GmbH"
  - ▶ Test report: PFG-Nr.: 413 007 02P

### Carrying case



### Charging technique



### Probe systems



### Sensor operation / measuring range

Calibration on methane:

ppm sensor, semi-conductor: 0 ... 22.000 ppm  
Minimum detection sensitivity 1 ppm

%LEL sensor, catalytic combustion: 0 ... 4.4 vol.%  
Minimum detection sensitivity 500 ppm

Vol.% sensor, thermal conductivity: 0 ... 100 vol.%  
Minimum detection sensitivity 1 vol.%

### Technical data

Operating time:	typically 8 hours
Power supply:	3 Mignon NiMH accumulators or 3 Mignon Alkaline batteries
Operating temperature:	- 20 °C ... + 40 °C
Storage temperature:	- 25 °C ... + 50 °C
Type of protection:	IP 54
Dimensions (W x H x D):	60 x 144 x 35 mm
Weight:	approx. 300 g

### Accessories

- Leather bag
- Various probe systems
- Test case / test sets / test gases