

## **EX-TEC<sup>®</sup> PM 4**

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



## 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.%

- 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 09 ATEX 555077 X  
Identification:  $\text{Ex}$  II2G Ex d e ib IIB T4 Gb
- Active protection:  
Function safety test in mode "warning" for the following gases: Methane ( $\text{CH}_4$ ), propane ( $\text{C}_3\text{H}_8$ ) and Nonane ( $\text{C}_9\text{H}_{20}$ )  
Certificate No.: BVS 09 ATEX G 002 X

## 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

Please contact us for a comprehensive quotation, including additional technical specifications and information on accessories.