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EX-TEC® PM 400 | Safety made easy!



EX-TEC® PM 400 – Safety made easy!



Ergonomic mobile gas warning device

The **EX-TEC® PM 400** is a mobile gas warning device that reliably warns plumbers, staff from utility companies, network operators, fire services and other technical staff of dangerous gas concentrations. The compact device is available with various sensors and, even in its most basic version, allows you to monitor flammable gases.

The range of gases that can be detected make the **EX-TEC® PM 400** versatile in practice – even for out-of-the-ordinary applications. For example, the **EX-TEC® PM 400** warns of leaks in gas and heating line plants or acetylene welding systems. The device also enables safety calibration with nonane. It can further be used to check that there is no gas in aviation fuel tanks.

Ergonomics that makes your work easier

Once you have worked with the **EX-TEC® PM 400**, you won't want to put it down. The device with non-slip, rubberised housing fits securely in your hand. Thanks to the high-contrast screen with razor-sharp display, it is easy to read, even in bright sunlight. You can access all device functions via the handy 4-key control panel (2 arrow keys, menu key, Enter key). Another plus point for ease of use: the separate on/off key does not perform any other function.

Overview of sensor equipment

With all extras fitted, the **EX-TEC® PM 400** can detect up to four different types of gas. Optional sensors are fitted in the factory before delivery. A selection function allows you to specify the calibration for various flammable gases.

Gas type	Sensor features	Measuring range	Operating principle
Methane Propane Nonane Acetylene Hydrogen JFUEL	standard selectable* selectable* selectable* selectable* selectable*	0 – 100 % LEL 0 – 100 % LEL 0 – 100 % LEL 0 – 100 % LEL 0 – 100 % LEL 0 – 100 % LEL	Catalytic combustion sensor *
Carbon dioxide	optional**	0.00 – 5.00 % vol. CO ₂	Infrared sensor
Carbon monoxide	optional**	0 – 500 ppm CO	Electrochemical sensor
Oxygen	optional**	0.0 – 25.0 % vol. O ₂	Electrochemical sensor

CC: Catalytic combustion sensor (only one CC sensor for one gas can be fitted in device); IR: infrared sensor; EC: electrochemical sensor

*Must be set up in factory or by customer

**Specify when ordering

Advantages of the **EX-TEC® PM 400**

- Intelligent assistance with device inspection wizard
- **Easy to read in every environment:** high-contrast, transfective screen (2.5") with backlight option
- **Easy to operate:** 4 keys and clear menu structure for all applications
- **Suitable for right- and left-handed use:** can be operated with one hand
- **Compact device** fits securely into hand thanks to partly rubberised housing
- Transparent seal on easy to replace dust filter means that **filter contamination is quickly spotted**
- **Pump alarm** if hydrophobic filter comes into **contact with water**
- **Up to four different gases can be detected** when all extras are fitted
- **Ergonomic handling** thanks to practical belt clip and short probe
- **Warns against dangerous gas concentration** by audible and visual pre-alarm and main alarm
- **Flexible power supply** AA-size rechargeable or disposable batteries



Certified passive* and active** explosion protection	
TÜV 17 ATEX 171969 X IECEX TUN 17.0027 X	EU type-examination certificate IECEX
II2G Ex ia db eb IIC T4 Gb	when using battery holder PM05-B0300
BVS 19 ATEX G 002 X PFG 19 G 004 X	Measuring function certified for methane (CH ₄), propane (C ₃ H ₈) Measuring function certified for oxygen (O ₂)

* Passive explosion protection: EU type-examination certificate confirms that the **EX-TEC® PM 400** does not constitute an ignition source

** Active explosion protection: gas warning device warns of explosive gas in the room



Accessories for greater flexibility

The **EX-TEC® PM 400** comes with the handy short probe ex works. Thanks to SEWERIN's comprehensive range of probes, you can find the optimal solution for your application.

- **SPE AutoFlow test set**
- **Everything to hand in its place** thanks to the **HG5 L-BOXX** case
- **Accurate measurement values** thanks to automatic calibration station **ATS 501/503** (available to purchase separately)
- **Easy readout of recorded measurements** and device configuration with powerful **GasCom** software

Technical data

- Dimensions (W × D × H): approx. 93 × 47 × 165 mm, approx. 93 × 65 × 165 mm incl. belt clip
- Weight: depends on sensors fitted, - approx. 500 g - approx. 523 g incl. belt clip
- Protection rating: IP65
- Power supply: 3 cells (AA), either - rechargeable batteries (NiMH) 2500 mAh - disposable batteries (alkaline)
- Operating time: at 25 °C, depends on product version and application - Warning application: 11 hours - Warning application with IR sensor for CO₂: 9 hours These times only apply if no alarm is triggered during operation
- Battery charging time: approx. 5 hours (full charge) at 2500 mAh
- Charging voltage: 12 V DC (max. 300 mA)
- Operating temperature: -20 – 40 °C
- Storage temperature: -25 – 60 °C without EC sensor -25 – 40 °C with EC sensor
- Atmospheric pressure: 700 – 1200 hPa
- Permissible relative humidity: 5 – 95 % r.h., non-condensing
- Display: monochromatic TFT display, 380 × 224 pixels, size 56 × 33 mm
- Pump capacity: - vacuum: > 150 mbar - volume flow: > 10 l/h



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