

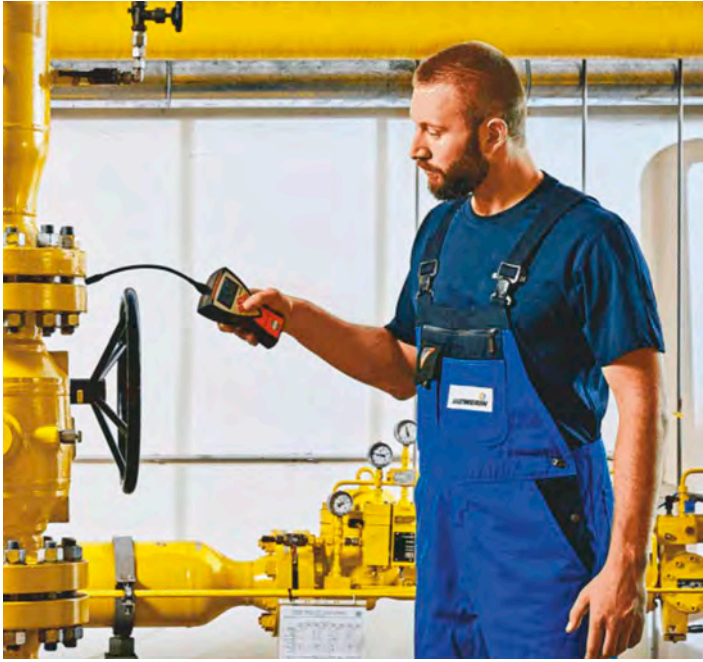
Certified safety in the Building Inspection application

EX-TEC[®] PM 580 • 550 • 500

Detecting, measuring and warning
Everything you need



EX-TEC® PM 580 • 550 • 500



Portable gas concentration measuring device for detecting, measuring and warning

The mobile gas measuring and gas warning devices from the **EX-TEC® PM 5xx** series make the everyday work of gas fitters, maintenance staff and other technical staff easier. They can be used to locate leaks in freely accessible gas pipes, assess the risk of explosion and determine whether toxic gases are within the occupational exposure limits (OEL). In the Structure application, the **EX-TEC® PM 580** displays the carbon monoxide concentration in the room air and triggers an audible and visual alarm if the values are too high. Toxic carbon monoxide is produced by combustion equipment, such as heating systems, as a result of insufficient ventilation and poses a risk to humans.

Ergonomics that makes your work easier

Once you've held it, you won't want to put the explosion-proof and IP65-protected device down. Thanks to the non-slip rubberised housing it fits securely in the hand. The high-contrast screen boasts a razor-sharp display and can be easily read even in sunlight. You can quickly access all device functions via the handy 4-key control panel (two arrow keys, menu key, Enter key). The separate on/off key does not perform any other function.



Simply choose the right device for your application

The **EX-TEC® PM 5xx** gas measuring and gas warning devices detect up to five different gases when fitted with all extras. Thanks to their modular design, you can tailor the device features exactly to your application.

Application (sensor)	EX-TEC® PM 580	EX-TEC® PM 550	EX-TEC® PM 500
Warning - methane (IR) - carbon dioxide (IR) - carbon monoxide (EC) - hydrogen sulphide (EC) - oxygen (EC)	yes - essential* - optional** - optional** - optional** - optional**	yes - essential * - optional** - optional** - optional** - optional**	yes - essential * - optional** - optional** - optional** - optional**
Measuring - methane (IR) - oxygen (EC)	yes - essential * - optional**	yes - essential * - optional**	no
Structure - methane (SC) - methane (IR) - carbon monoxide (EC)	yes - standard - essential * - optional**	no	no

IR: infrared sensor; EC: electrochemical sensor; SC: semiconductor sensor

* an IR sensor (CH₄ or CH₄/CO₂) is essential for the basic device

** specify when ordering

Detecting, measuring and warning

Advantages of the **EX-TEC® PM 580 • 550 • 500**

- **Certified safety in the Building Inspection application (EX-TEC® PM 580)**
- **2.5" display can be easily read in every environment:** vivid, high-contrast, razor-sharp, with backlight
- **Very user-friendly:** simple navigation using four keys and clear menu structure for all applications
- **Genuine one-hand operation:** suitable for right- and left-handed use
- **Handy device:** non-slip housing fits securely in the hand
- Transparent seal on easy to replace dust filter means that **filter contamination is spotted quickly**
- **Protection from pump alarm** if hydrophobic filter comes into **contact with water**
- **Detects up to five different gases** when all extras are fitted
- **Practical handling** thanks to short probe and belt clip
- **Audible and visual pre-alarm and main alarm** when gas concentration is dangerous
- **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
Applies to "Warning" and "Structure" applications 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), carbon monoxide (CO), hydrogen sulphide (H ₂ S), carbon dioxide (CO ₂)

* Passive explosion protection: EU type-examination certificate confirms that the **EX-TEC® PM 580 • 550 • 50** does not constitute an ignition source

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



Accessories for greater flexibility

All gas measuring and gas warning devices from the **EX-TEC® PM 5xx** series come factory-fitted with the handy short probe. Various probes allow optimal customisation to your requirements.

- **SPE AutoFlow test set** makes compulsory device inspections easier and reduces test gas consumption
- **HG5 L-BOXX case:** everything neatly laid out in its place
- **Automatic test station ATS 503/ATS 501** provides accurate measurement values
- **Powerful GasCom software:** easily read out recorded measurement values and extensive device configuration

Technical data

Dimensions (W × D × H): approx. 93 × 47 × 165 mm,
approx. 93 × 65 × 165 mm incl. belt clip

Weight: depends on the built-in sensors,
- 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 (77 °F), depending on the product variant and application

- **EX-TEC® PM 580 • 550 • 500,**
warning application: 16 h

- **EX-TEC® PM 580 • 550,**
measuring application: 11 h

- **EX-TEC® PM 580,**
structure application: 8 h

the times apply only when no alarm is triggered during operation.

Charging time for rechargeable batteries: approx. 5 h (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 – 1,200 hPa

Permissible relative

humidity: 5 – 95% r.h., non-condensing

Display: monochrome TFT display, 380 × 224 pixels,
size 56 × 33 mm

Pump capacity: vacuum: > 150 mbar

Volume flow: > 10 l/h

Would you like to know more about the devices and matching accessories? You will find more detailed information in the respective individual brochures or on our website www.sewerin.com.