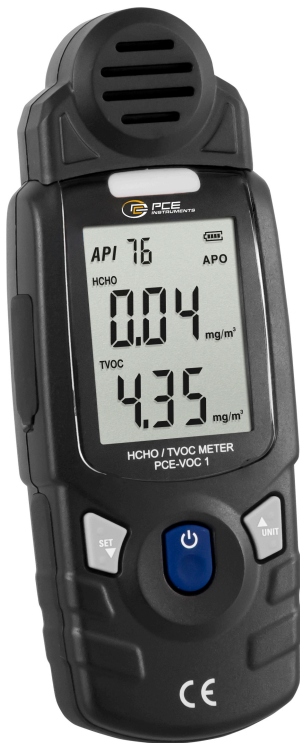


# AIR QUALITY VOC METER

PCE-VOC 1



- » Measures total volatile organic compound (TVOC) and formaldehyde (HCHO)
- » levels
- » Displays units in parts per million (ppm) or milligrams per cubic meter (mg/m<sup>3</sup>)
- » Long-lasting rechargeable lithium-polymer (LiPo) battery
- » Audible and visual alarms
- » Large, easy-to-read LCD screen
- » User-friendly three-button operation
- » Compact and lightweight yet heavy-duty design

PCE-VOC 1 is a portable handheld volatile organic compound (VOC) and formaldehyde (HCHO) meter or gas leak detector for indoor air quality (IAQ) monitoring applications. This easy-to-use VOC meter is ideal for measuring total volatile organic compound (TVOC) and formaldehyde (HCHO) levels in homes, offices, factories, laboratories, hotels, schools and other indoor environments. The VOC meter's long-lasting rechargeable lithium-polymer (LiPo) battery and included 9V power adapter/charger ensure uninterrupted IAQ monitoring. Featuring a compact and lightweight yet heavy-duty design, the VOC meter displays units in parts per million (ppm) or milligrams per cubic meter (mg/m<sup>3</sup>). In addition to emitting an audible alarm, the device's large, easy-to-read LCD screen turns red when a critical VOC or HCHO level is reached.

VOCs are airborne gaseous or vaporous substances of organic origin. Examples of VOCs include hydrocarbons, alcohols, aldehydes and organic chemicals.

Many detergents, solvents, paints, varnishes, adhesives and other synthetically manufactured substances can produce VOCs. In addition, numerous naturally occurring organic compounds formed by biological processes such as plant metabolism, decay and degradation can create VOCs.

VOCs can become airborne through evaporation or emission. Evaporation sources can include household cleaning products, construction and building materials, and indoor furnishings, flooring and decor.

## Specification

| Formaldehyde    |                              |
|-----------------|------------------------------|
| Measuring range | 0 ... 5 mg/m <sup>3</sup>    |
| Resolution      | 0,01 mg/m <sup>3</sup>       |
| Accuracy        | ±5 PER CENT FS               |
| TVOC            |                              |
| Measuring range | 0 ... 9,99 mg/m <sup>3</sup> |
| Resolution      | 0,01 mg/m <sup>3</sup>       |
| Accuracy        | ±5 PER CENT FS               |

| General technical data               |                                                |
|--------------------------------------|------------------------------------------------|
| Display type                         | LCD with backlight                             |
| Response time Additional information | HCHO: < 2 seconds<br>TVOC: max. 30 minutes     |
| Charging time                        | 2 h                                            |
| Automatic power-off                  | 30 min                                         |
| Repeatability                        | 2 %                                            |
| Alarm                                | optical, Acoustic                              |
| Menu language                        | English, English (GB)                          |
| Protection class (device)            | IP20                                           |
| Power supply                         | 9V DC / 1 A                                    |
| Connector type                       | Device-europlug                                |
| (Rechargeable) battery               | 1 x 7,4 V internal , Lithium polymer battery   |
| Capacity                             | 1200 mAh                                       |
| Operating conditions                 | 0 ... 40 °C , 20 ... 85 (non-condensing)% RH   |
| Storage conditions                   | -10 ... 60 °C , 20 ... 85 (non-condensing)% RH |
| Dimensions ( L x W x H )             | 165 x 60 x 25 mm                               |
| Weight                               | 584 g                                          |