

FORMALDEHYDE METER

PCE-VOC 5



- » **Measurement of HCHO, TVOC, temperature, humidity**
- » **Audible alarm**
- » **Data storage**
- » **2.8 inch LCD color display**
- » **Adjustable measuring rate**
- » **Air quality display**
- » **Active ventilation**

The formaldehyde meter is a versatile device for monitoring the air quality in indoor spaces such as homes, offices, workshops, schools or public facilities. It is used for the simultaneous measurement of formaldehyde (HCHO), volatile organic compounds (TVOC), ambient temperature and relative humidity. The formaldehyde meter has a 2.8-inch color display that shows all measured values in real time and also visually assesses the air quality in three stages - green for "good", yellow for "poor" and red for "very poor". The formaldehyde meter also has an acoustic alarm function with adjustable threshold values and sound types, which is triggered when defined measured values are exceeded.

For data storage, the device offers space for up to 200 measuring points on 5 pages, which corresponds to a total capacity of 1000 measurements per measured variable. The values for formaldehyde, TVOC and temperature are stored. The storage intervals and the number of collection points can be set individually, whereby the stored data can only be retrieved at any time via a playback function in the device. Other functions include a real-time clock, battery status display, adjustable measuring rate, automatic switch-off time, adjustable screen brightness and the option of active fan control. The temperature unit can be switched between Celsius and Fahrenheit.

The formaldehyde meter is powered by an integrated 3.7V Li-Po battery and charged via a USB type C cable.

Specification

Relative humidity

Measurement range up to 10 ... 90 % RH

Resolution 1 % RH

Accuracy ± 5 r.F.

Formaldehyde

Measurement range up to 0 ... 6,25 mg/m³

Resolution 0,01 mg/m³

Accuracy ± 5 PER CENT FS

Formaldehyde

Measurement range up to 0 ... 5 ppm

Resolution 0,01 ppm

Accuracy ± 5 PER CENT FS

TVOC

Measurement range up to 0 ... 10 mg/m³

Resolution 0,01 mg/m³

Accuracy ± 0.1 mg/m³

Temperature

Measurement range up to 0 ... 50 °C

Resolution 1 °C

Accuracy ± 1 °C

Temperature

Measurement range up to 32 ... 122 °F

Resolution 1,8 °F

Accuracy ± 1.8 °F

General technical data

Display type LC colour display

Display size 2,8 Inch

Adjustable measuring rate 0.5 ... 2 s

Storage medium Internal memory

Storage capacity 1000 Measurements

Memory information 1000 measuring points per measured variable

Storage interval from 1 s

Storage interval to 90 s

Interface USB-C

Operating time 5 h

Automatic power-off from...to 5 ... 30 min.

Automatic power-off can be deactivated Yes

Alarm Acoustic

Alarm settings 0.05 ... 0.5 mg/m³

Menu language English, English (GB)

Protection class (device) IP20

(Rechargeable) battery 1 x 3,7 V internal, Lithium polymer battery

Capacity 1500 mAh

Operating conditions 0 ... 50 °C, 10 ... 90 % RH

Storage conditions 0 ... 50 °C, 10 ... 90 % RH

Dimensions (L x W x H) 150 x 67 x 23 mm

Weight 145 g