

# Oil Vapour Monitor - Portable

Oil Vapour/ Dewpoint / Pressure / Temperature - four-in-one measurement  
PUR series

## Key Features

- Four-in-One measurement – oil vapour, dewpoint, pressure, & temperature
- Measurement Ranges:
  - Oil Vapour: 0.001 to 5.000 mg/m<sup>3</sup>
  - Dew Point: -110 to +20°C
  - Pressure: 0 to 17 bar
  - Gas Temperature: 0 to +50°C
- Air Purity Class:
  - ISO 8573-5 class for oil vapour
  - ISO 8573- 3 class for moisture (dew point)
- 7" touch screen display
- 2 Alarm relays: Oil Vapor and Dewpoint
- Data logging with 25 GB of storage
- Data output:
  - 4-20mA (1 signal only),
  - Modbus RTU (RS485), Modbus TCP (Ethernet)
  - USB (csv format)
- Power Supply: 100 to 240 VAC, Max 65 W



## About

The Oil Vapour Monitor does more than measure oil vapour. It also (i) monitors pressure dewpoint, gas pressure and gas temperature and (ii) gives the oil vapour class and moisture class based on the principles of ISO8573-3 and ISO8573-5.

The 7" touchscreen provides real-time information, data recording, on-screen alarms and USB export (CSV format). With 25 GB of onboard storage, users can perform data analysis directly on the screen or download data to their computer for further analysis.

The device has excellent repeatability and stable performance. The automatic calibration and self-cleaning ensures reliable accuracy and extended sensor life. Easy to install via 6 mm PTFE tube and quick-connect tube fittings.

## Applications

- Manufacturing, pharmaceutical, food & beverage, industrial use
- Compressed air and inert gases
- Temporary or permanent installation



More Info

# Specifications

## Oil Vapour

Measuring Range	0.001 ... 5.000 mg/m <sup>3</sup>
Accuracy	±1.5%RD + 0.003 mg/m <sup>3</sup>
Resolution	0.001

## Dew Point

Measuring Range	-110 to +20 °Ctd    166°F to +68°F
Accuracy	±2 °Ctd (-60 ... +20 °Ctd) ±3 °Ctd (-110 ... -60 °Ctd)

## Pressure

Measuring Range	0 to 1.7 Mpa(a)    0 to 246 psi
Accuracy	±0.3 %FS @ 23°C
Resolution	0.01

## Temperature

Measuring Range	0 to +50 °C    32°F to +122°F
Accuracy	±0.3 °C
Resolution	0.01

## Display & Data Logger

Display	7" IPS touch LCD
Resolution	1280 × 800 px
Data Logging Storage	25 GB 3,000,000,000 values
Alarm Output	2 × Relay alarm channel (Oil Vapor, Dewpoint)

## Power

Supply Voltage & Power	100 to 240 VAC Max 65 W
Power Supply	Included

## Signal Output

Analogue Output	4-20mA (1 signal only)
Digital Output	Modbus RTU (RS485) and Modbus TCP (Ethernet)
USB	.csv format

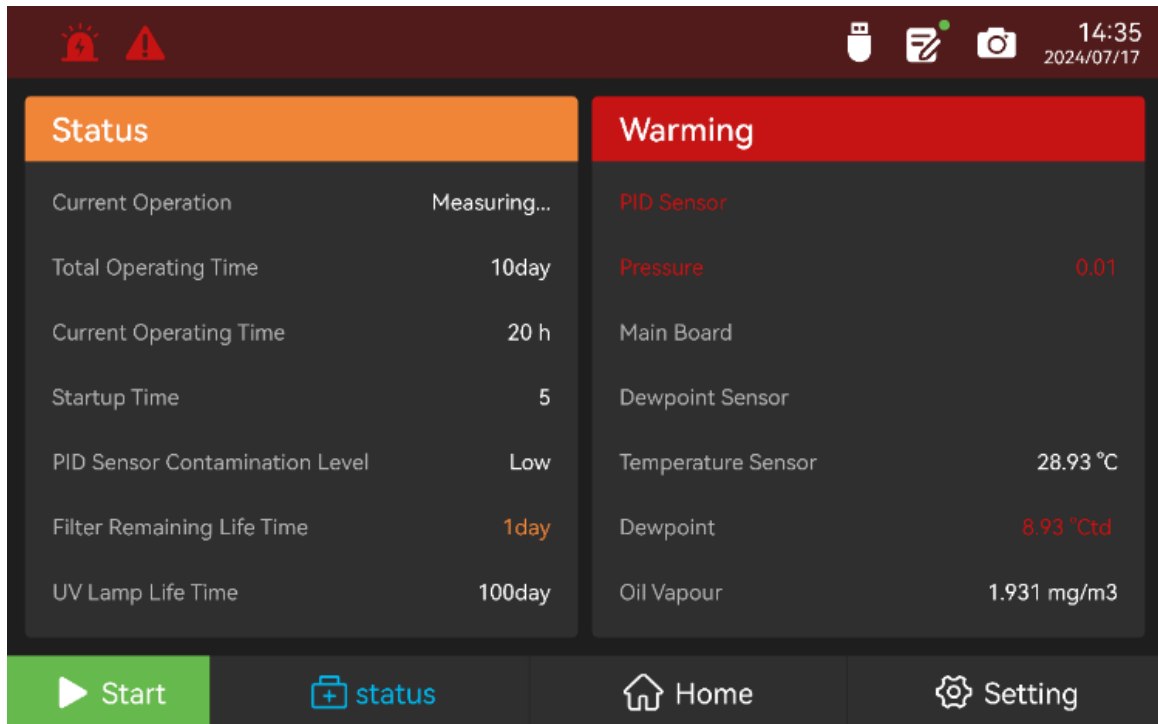
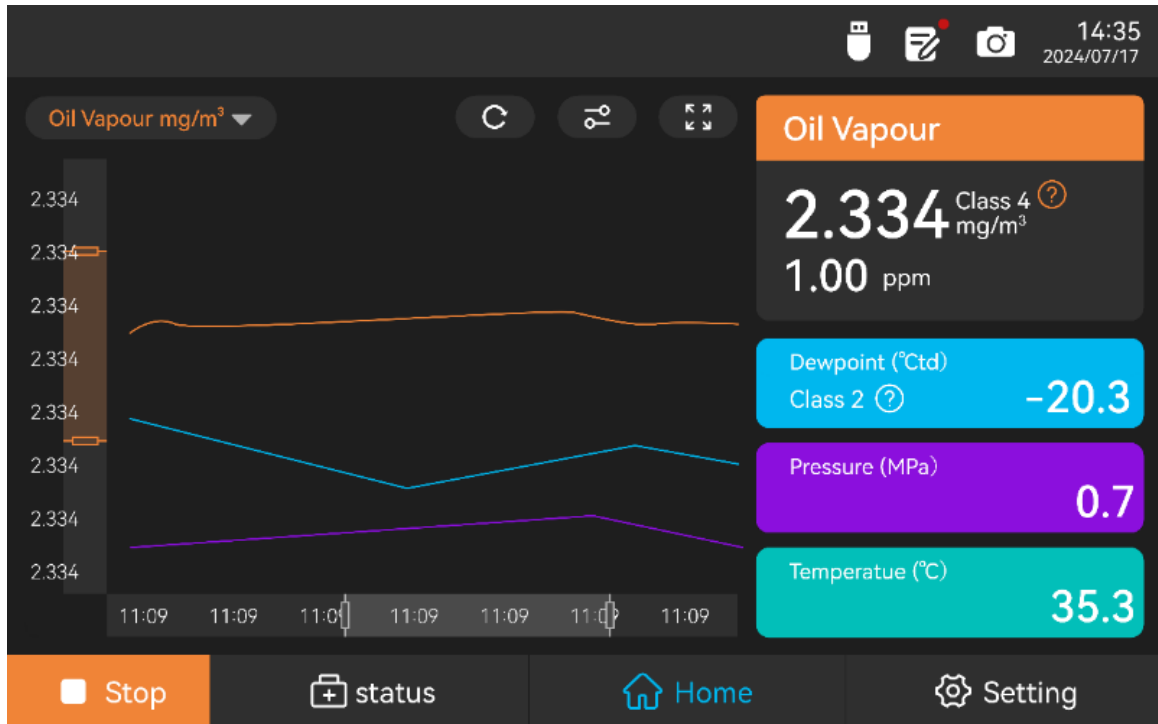
## Operating Environment

Measuring Medium	Compressed air and non-corrosive, non-explosive gases	
Medium Temperature	0 to +50 °C    32°F to +122°F	
Medium Pressure	0.3 to 1.7 Mpa(a)    0 to 246 psi	
Relative Humidity	0 to 40 %RH (Non-condensing) @20°C, 100KPa	
Sample Gas Flow Rate	0.5 to 2 NL/min	
Environment Temperature	-20 to +45 °C    -4 to +113°F	
Storage Temperature	-20 to +45 °C    -4 to +113°F	

## Other

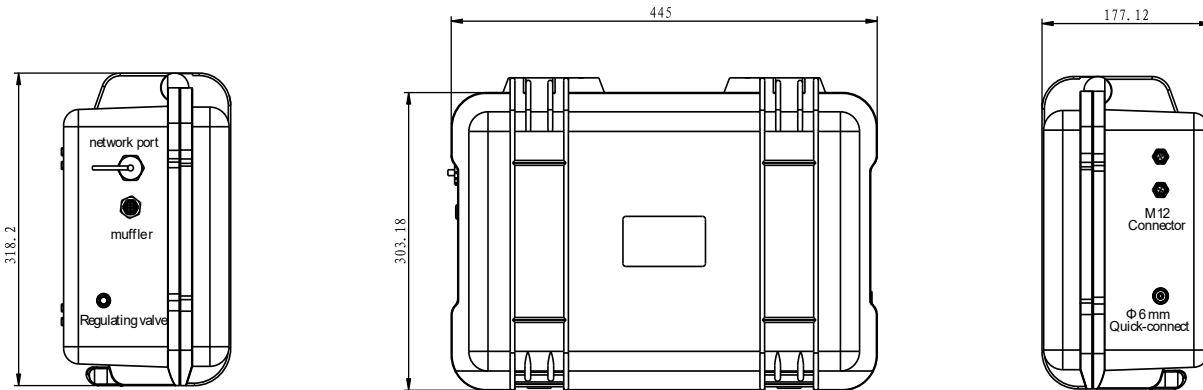
Zero Filter Life Time	2 Year @ 2 ppm
UV Lamp Life Time	8,000 hours
Case Material	PP
Weight	10kg
Dimensions	445 × 319 × 177 mm
Installation	Permanent or Temporary
Warranty	12 months
HS Code	9031.80

# Display



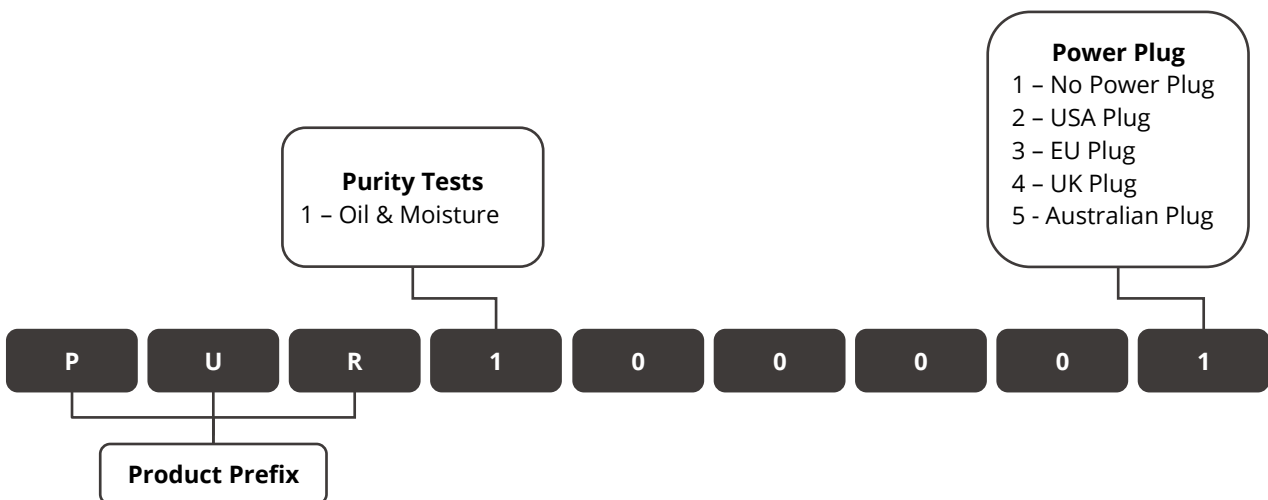
# Dimensions

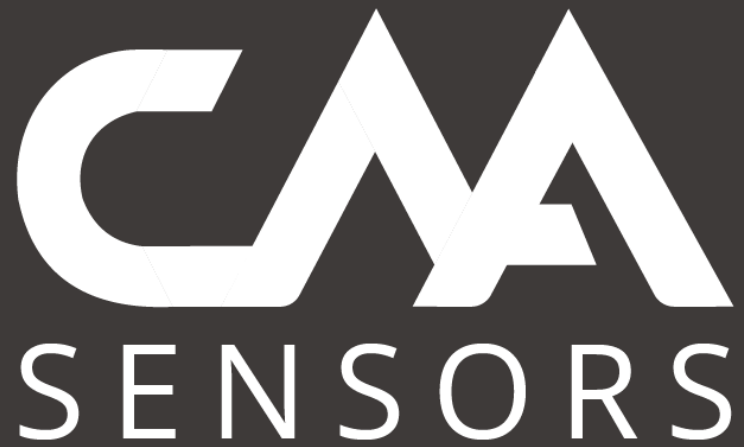
Dimensions: 445 × 319 × 177 mm (L×W×H), Weight: 10kg



# How to Order

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