Portable Oil Vapour Monitor

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/m³
    - Dew Point: -110 to +20°C
    - Pressure: 0 to 17 bar
    - Gas Temperature: 0 to +50°C
- ISO 8573-5 class for oil vapour
- ISO 8573- 3 class for moisture (dew point)
- Auto-calibration / Auto-cleaning
- 7" touch screen display
- Power Supply: 18 to 30 vDC
- Data outputs
- 2 Alarm relays: Oil Vapor and Dewpoint

About

The Portable Oil Vapour Monitor does more than measure oil vapour. It also (i) monitors pressure dewpoint, pressure and 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, and USB export (CSV format). With 25 GB of onboard storage, users can easily 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. Easy to move between sites.

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/m³
Accuracy	±(1.5%RD + 0.3%FS)
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℃
Resolution	0.01

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

Data Logging	
Storage	25 GB 3,000,000,000 values
Data Export	USB Type-C

Signal Output	
Analogue Output	4-20mA
Digital Output	Modbus RTU (RS485) Modbus TCP (Ethernet)
Alarm Output	2 × Relay alarm channel (Oil Vapor, Dewpoint)

Power	
Supply Voltage & Power	18 … 30 VDC Max 50 W @ 24 VDC
Power Supply	Included

Display	
Display	7" IPS touch LCD
Display Options	1280 × 800 px

Operating Environment	
Measuring Medium	Compressed air and non-corrosive, non-explosive gases
Medium Temperature	0 … +50 ℃
Medium Pressure	0.3 … 1.7 Mpa(a)
Relative Humidity	0 … 40 %RH (Non-condensing) @20℃, 100KPa
Sample Gas Flow Rate	0.5 … 2 Nl/min
Environment Temperature	-20 … +45 ℃
Storage Temperature	-20 … +45 ℃

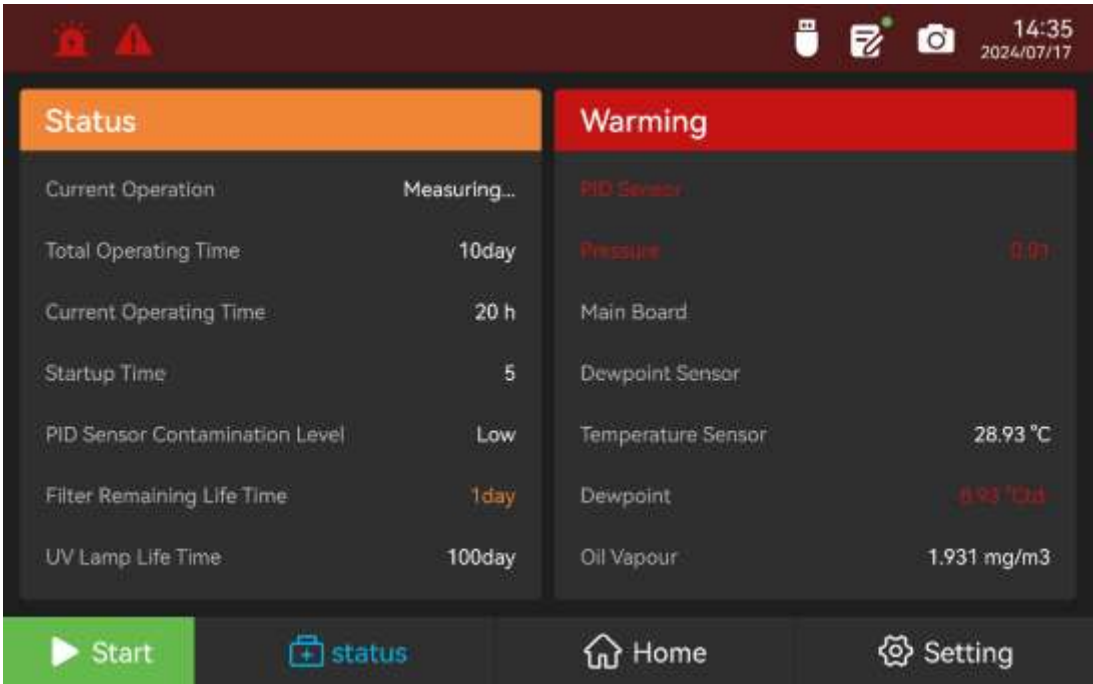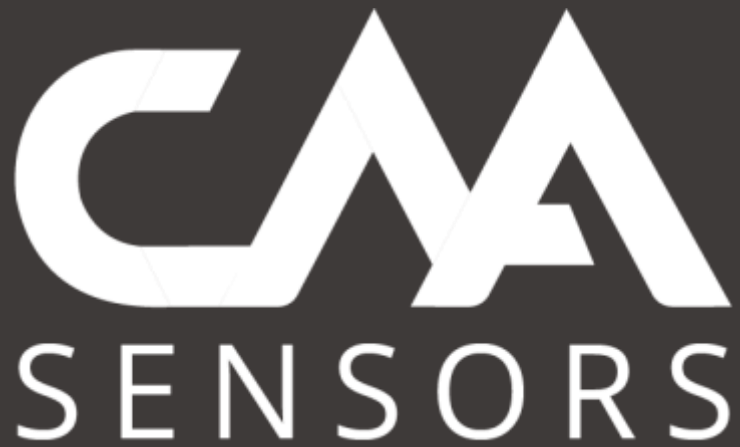| Other	
Zero Filter Life Time	2 Year @ 2 ppm
UV Lamp Life Time	8,000 hours
Case Material	PP
Dimensions	445 × 319 × 177 mm (L×W×H)
Installation	Permanent or Temporary
Warranty	12 months
HS Code	

Display

Dimensions

Side view with labels: network port, muffler, Regulating valve — height 318.2

Top view — width 445, height 303.18

Side view — width 177.12, labels: M12 Connector, Φ6 mm Quick-connect
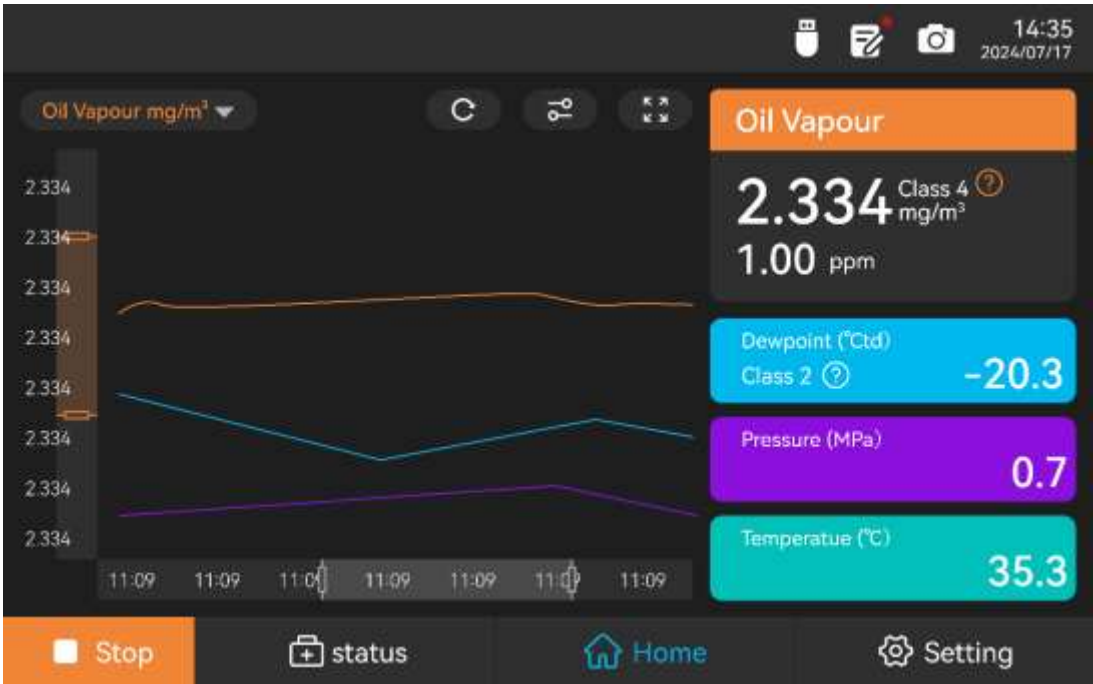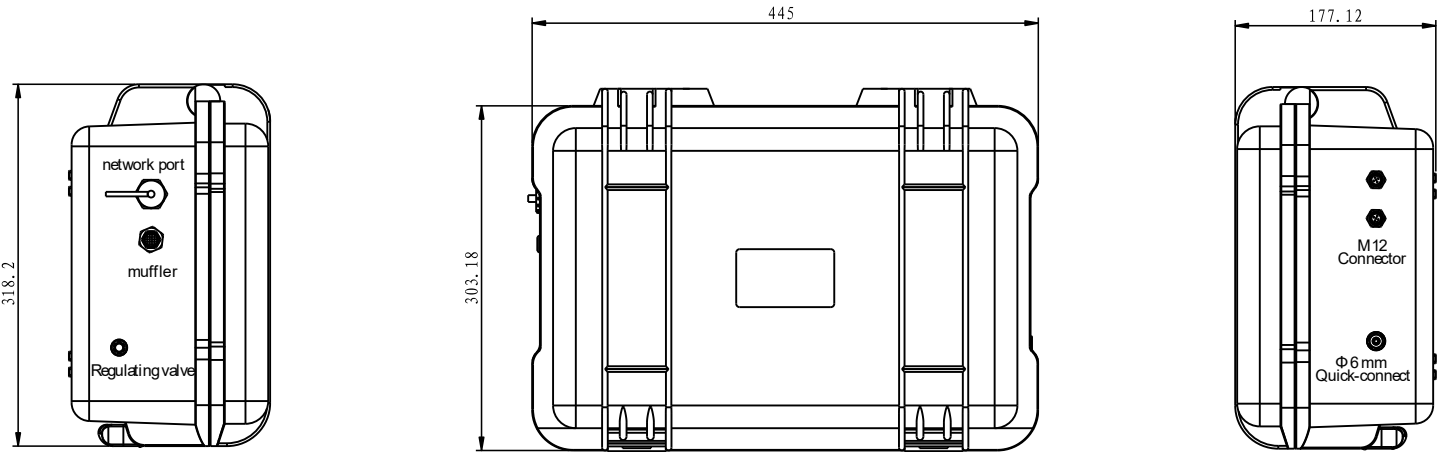
How to Order

Find a Distributor: www.caasensors/distributors

Purity Tests
1 – Oil & Moisture

Power Plug
1 – No Power Plug
2 – USA Plug
3 – EU Plug
4 – UK Plug
5 - Australian Plug

| P | U | R | 1 | 0 | 0 | 0 | 0 | 1 |

Product Prefix

CAA SENSORS

CAA
SENSORS
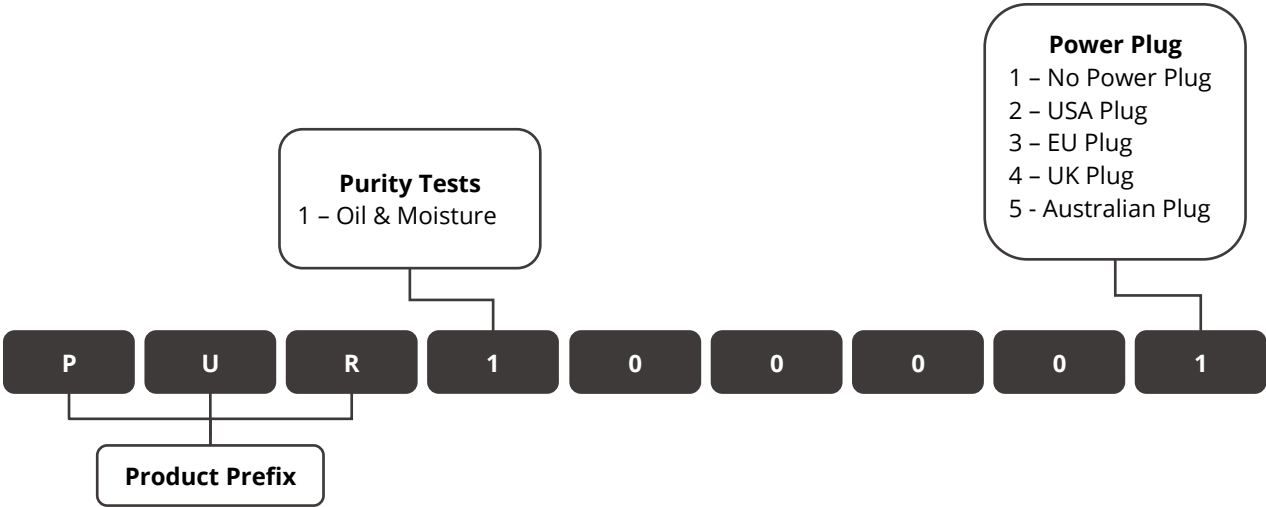
CAA Sensors Pty Ltd

Head Office: Sydney, Australia

Email: sales@caasensors.com

Website: www.caasensors.com

Find a Distributor: www.caasensors/distributors