

PORTABLE VOC Temp.RH MONITOR/ LOGGER

Portable VOC monitor 98118



- Round ball shape with vented design for quick sensing VOC mixed gases
- Factory calibrated with standard Ethanol gas
- Manually calibrate with clean air in couple minutes
- Zero adjustment function is included
- MIC designs with high sensitivity metal oxide semiconductor sensor to VOCs and odorous gases, such as ammonia, toluene, cigarette smoke, alcohol, H₂S. Even low concentration of toluene emitted from wood finishing and construction products.
- Large LCD display VOC, Temp., RH%, Dew point, Wet Bulb.
- A Long life sensor time powered by AC/DC adaptor or from computer's USB port
- Battery low indication. HI icon stands for high air pollution with beeper)
- Response time in 1 ~ 5 minutes, sensor life expected 5 yrs
- Powered by AAA batteries for short time detecting

SUPPLIED:

Meter x 1, Batteries AAA x 6 pcs, Manual x 1, Pouch, Box x 1

Optional: AC/DC adaptor. Mini tripod.

Portable VOC on line datalogger 98518.off line datalogger 98519

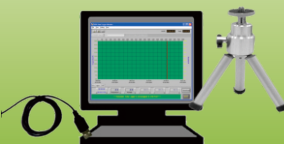


- 98518 specification are the same as 98118 model
- Factory calibrated by Ethanol standard gas
- Manual calibration with fresh air in couple minutes
- Features portable around or fixed with a tripod for long time logging and see graph with free software
- 98518 supplied with USB cable for on line (real time) recording VOC reading, USB icon shows on screen while logging.
- Powered either by batteries or power charger and adaptor
- 98519 may store up to 32,000 points data, then upload to PC for further analysis.
- Sample interval is selectable from 5 seconds up to 6 hours, sample point, temperature unit are selectable.
- Data may be exported as ".txt" or ".xls" file.

SUPPLIED:

- Meter x 1, Manual x 1, Box x 1, CD software x 1,
- Pouch x 1, USB cable x 1

Optional: AC/DC adaptor x 1



On line(Real time) datalogging

OSHA EPA proposing: If workplace exposure to nPB is poorly controlled, it may increase health risks to workers. In the interim, until the Occupational Safety and Health Administration (OSHA) develops a mandatory workplace exposure limit under the Occupational Safety and Health Act, the Agency recommends that users of nPB adhere to an acceptable exposure limit of 25 parts per million (ppm) over an eight-hour time-weighted average.

Knowledge from Wikipedia:

VOC concentration in an indoor environment during winter is 3 to 4 times higher than the VOC concentrations during the summer. High indoor VOC levels are attributed to the low rates of air exchange between the indoor and outdoor environment as a result of tight-shut windows and the increasing use of humidifiers

OSHA Permissible Exposure Limit- General Industry

The TWA limit values of Ethanol is 1,000ppm the HE (Health Effect) code is He7 may cause headache, fatigue, Stupor, irritation of the upper respiratory tract and eyes. If the air gas is known as Ethyl Alcohol, recommend to use 98118C, 98518C, 98519C models for more accurate reading and may adjust alarm value to 999.99ppm meets OSHA PEL limits.

The STEL limit values of Ethanol is 200ppm, the health factors are accumulation in blood and tissues. Choose models number end with C for known gas Ethyl Alcohol.

	98118	98518	98519
Parameters	TVOCs (Cali. Ethanol), Temperature, RH%		
Interface	N/A	USB on line	USB off line
Meas.range	0~50 ppm		
High alarm setting	YES (Default 35 ppm)		
Detect gases	Ammonia, Ethanol (Alcohol), Toluene, H ₂ S, VOC gases		
Maximum HOLD	YES		
Dew Point,Wet Bulb Temp	YES		
Auto power off	YES		
Temp.range	-10.0~50.0°C		
RH range	10~90RH%		
Resolution	1ppm(VOC),0.1 °C/°F,0.1%RH		
Accuracy	+0.6°C (Temp) +5% RH (At 25°C)		
Test gas condition	Normal air at 20 ±2°C, 65±5%RH, 7 days conditioning period		
Warm up time	About 2 minutes (Optional), 2hours(first time)		
Memory	N/A	up to 64,000 points	up to 32,000 points
Power	AAA x 6 pcs or Adaptor, power charger(Optional)		
Operating Temp.RH	0~50°C,0~95%RH (Non-condensed)		
Storage Temp. RH	-40~70 °C,0~95%RH (Non-condensed)		