

SMART PORTABLE IAQ METER SERIES -1 (INTRODUCTION)

<< Tripod mountable, Hold function, APO function >>



- High performance two(2) microprocessors technology
- Multi-display with Temp, RH% (Option: ambient pressure)
- Features Temp, RH offset function
- Interchangeable single or Dual gas probe is selectable
- Powered by convenient alkaline AAA batteries or adaptor
- Display Temp, RH, dew point, Wet Bulb Temp (basic 8808-series)
- Built-in electric fan and bright LEDs in sensor probe
- Features backlight function, self-calibration function
- SD card models may store more than 1GB memory
- Reliable long life SenseAir NDIR CO2 sensor
- Free maintenance Sensirion Temp/RH sensor
- Superior German TVOC, Japanese CO , USA O2 sensors
- Reliable TVOC sensors, PM sensor, Combustible gas sensor
- independent inlet/outlet air source and designed with inner mechanical for particle aerosol flow direction.

STANDARD PACKING SUPPLIED:

98098/99298-series:

Main meter , sensor probe , batteries AAA x5pcs , AC/DC adaptor , Manual , carrying pouch , protective sensor bag , soft tube (Except 98098P/98298P) ,

98498-series:

Main meter , sensor probe , batteries AAAx6 pcs , AC/DC adaptor , Manual , USB cable , CD software , carrying pouch , protective sensor bag and soft tube (Except 98498P)

98598-series:

Main meter , sensor probe , batteries AAA x 5pcs , AC/DC adaptor , manual , carrying pouch , protective sensor bag , soft tube (Except 98598P) and SD card (2G)

98098WiFi series

Main meter , sensor probe , batteries AAA x6pcs , AC/DC adaptor , manual , carrying pouch , protective sensor bag , soft tube (Except 98098PWIF) and USB cable.

SMART PORTABLE IAQ METER SERIES-2 (CODE)

SMART IAQ meters ORDERING CODES:

98	Model code	98	WiFi	Sensor (+Temp,RH)	code1	code2	code3	code4	code5
			Option						
0- Entry model									
2-99 memory points (Manually)			N/A						
4-32,000 memory points (Automatically)			N/A						
5-SD card logging (Manually/Automatically)			N/A						

For example: 98098C = Entry model smart CO meter with sensor probe

98498DH= USB datalogger Formaldehyde/CO2 meter with sensor probe (Dual sensor)

98098WiFiD = WiFi Function smart CO2 meter with sensor probe

98598DVP = SD logger smart CO2/TVOC/PM2.5_10 meter with sensor probe
(Multi-sensor , Large size probe)

98	Replacement Sensor Probe	98	P	Sensor	code1	code2	code3
				1			

Sensor code as above : C / D / H / V / O / P

For example: 98198PC = CO Sensor probe

98198PDH= Formaldehyde/CO2 sensor probe (Dual sensor)

98198PP = PM2.5_10 sensor probe (Large size probe)

SMART PORTABLE IAQ METER SERIES-3 (SPECIFICATION)

98098_series	Smart IAQ meter entry series
98298_series	Smart IAQ meter with 99 points memory (Manual record)
98498_series	Smart IAQ meter with 32,000 points memory (Auto/Manual recording)
98598_series	Smart IAQ meter with SD card storage function (Auto/Manual recording)
98098WiFi_series	Smart IAQ meter with WiFi PC/Cloud data storage function

- Connection of any digital sensor probes for IAQ (Indoor Air Quality) application, and simply and conveniently to calibrate the sensor probes without hand held instrument, each probe compensates temperature automatically.
- New sensor probe PM2.5 (Model 98198PP) with larger size, may combine with other parameters

SPECIFICATION				
Measure	Range	Resolution	Accuracy	Sensor type
CO	0~999ppm	1ppm	$\pm 10\%$ of rdg or ± 10 ppm	Electrochemical
CO2	0~9999ppm	1ppm	± 75 ppm+5% of rdg	Non-Dispersive IR
HCHO/CH2O	0.00~5.00ppm	0.01ppm	$\pm 25\% + 0.03$ ppm (Meets NIOSH)	Electrochemical
O2	0.0~30.0%	0.1%	$\pm 10\%$ of rdg	Electrochemical
TVOC	0~999ppm	1ppm	$\pm 10\% + 10$ ppm	Electrochemical
PM2.5	0~999 μ g/m ³	0.1/1 μ g/m ³	$\pm 10\% + 10$ ppm (Cal. to aerosol)	Photo-IR
PM10	0~999 μ g/m ³	0.1/1 μ g/m ³	$\pm 10\% + 10$ ppm (Cal. to aerosol)	Photo-IR
Temp,RH	0~50C/0.0~99.9%	0.1C/F,0.1%	± 0.6 C(Temp.); $\pm 1\%$ (RH)@25 \pm 3C	CMOSense chip
Power	AAA batteries x6 pcs OR AC/DC adaptor			
Size(Meter)	162mm(L)x58mm(W)x32mm(H)			
Size(Probe)	145mm(L)x33mm(W)x33mm(H) ; 200mmx68mmx33mm (PM probe)			

SMART PORTABLE IAQ METER SERIES-4 (SINGLE SENSOR)

SMART & NEW!

**Sensor probe
Interchangeable**

↓ Start-up single gas
LCD display

Normal measurement
LCD display



Both sensor probes are
compatible to the main
meter



Sensor probe (Larger
size) is for the models
with PM measurement

- The smart portable IAQ meter features easy and simply change the sensor probe to measure the air quality or air pollution concentration wherever desired to know
- Sensor probe is able to be designed with single gas sensor or dual gas sensors or at most 3 gas sensors, no matter how many gas sensors in the sensor probe, the main meter is the same.
- The temperature/ humidity sensor is designed at the top of the sensor probe which measures the ambient Temp.RH% instead of the sensor probe which attach with soft tube for extension measurement area.
- Main meter automatically diagnoses the sensor probe and displays the parameter icon °CO, CO2, HCHO, O2, VOC ... on the LCD
- Meter is powered by either AAAx6pcs batteries or AC/DC adaptor (Long time recording required)

SMART PORTABLE IAQ METER SERIES-5 (DUAL-MULTI SENSOR)

Start-up dual gas
LCD display →



SMART & MULTI-SENSOR!

↓ Normal measurement LCD display



Smart to choose two or above sensors in one includes Temperature, Humidity measurement sensor probe by following, welcome any custom combination for different application. Sensor probe interchangeable, meter automatically diagnose and display on LCD.

The most cost effective series with professional performance on the market.

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98598_series	Smart IAQ meter with SD card storage function (Auto/Manual recording)
98098WiFi_series	Smart IAQ meter with WiFi PC/Cloud data storage function

SMART PORTABLE IAQ METER SERIES-6 (MOBILE APP INTRODUCTION)

WiFi function models features web APP (Windows) and Mobile (IOS , Android)APP , convenient and easy to find air quality level readings from Cloud storage . (See below photos)

Mobile APP
Setting
function:



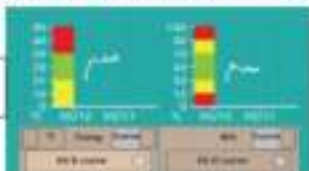
SMART PORTABLE IAQ METER SERIES-7 (98098 WIFI FUNCTION)

98098WIFI_series model is an unique-portable WiFi function design with two purposes (Portable around measurement & Fixed on wall or ceiling for long time recording) IAQ meter :

SMART WIFI!

- 1) Portable around : Measure anywhere , anytime with battery operation.
- 2) Fixed on wall with tripod device : Long time recording wireless sending data to Cloud or PC via WIFI APs.

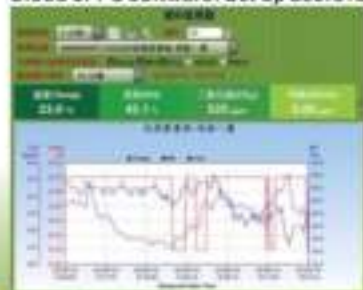
Mobile APP shows
1 hour /30 days
/ 60 days curve



Mobile APP shows
1 hour / 8 hours
/ 24 hours digits



Cloud or PC software: Set up users /devices , View digits/ curves , Alert ,....



Date	Time	PM2.5	PM10	CO2	TVOC
2023-10-27	10:00	25.2	65.7	950	0.000
2023-10-27	10:05	25.2	65.7	950	0.000
2023-10-27	10:10	25.2	65.7	950	0.000
2023-10-27	10:15	25.2	65.7	950	0.000
2023-10-27	10:20	25.2	65.7	950	0.000
2023-10-27	10:25	25.2	65.7	950	0.000
2023-10-27	10:30	25.2	65.7	950	0.000
2023-10-27	10:35	25.2	65.7	950	0.000
2023-10-27	10:40	25.2	65.7	950	0.000
2023-10-27	10:45	25.2	65.7	950	0.000
2023-10-27	10:50	25.2	65.7	950	0.000
2023-10-27	10:55	25.2	65.7	950	0.000
2023-10-27	11:00	25.2	65.7	950	0.000
2023-10-27	11:05	25.2	65.7	950	0.000
2023-10-27	11:10	25.2	65.7	950	0.000
2023-10-27	11:15	25.2	65.7	950	0.000
2023-10-27	11:20	25.2	65.7	950	0.000
2023-10-27	11:25	25.2	65.7	950	0.000
2023-10-27	11:30	25.2	65.7	950	0.000
2023-10-27	11:35	25.2	65.7	950	0.000
2023-10-27	11:40	25.2	65.7	950	0.000
2023-10-27	11:45	25.2	65.7	950	0.000
2023-10-27	11:50	25.2	65.7	950	0.000
2023-10-27	11:55	25.2	65.7	950	0.000
2023-10-27	12:00	25.2	65.7	950	0.000

Example: Fixed on wall or ceiling for WiFi purposes



SMART PORTABLE IAQ METER SERIES-7 (98098WIFI FUNCTION)



E Id

Stands for sending data to Cloud storage

Pc

Stands for sending data to Personal data server(PC)

WIFI

Stands for the strength of WIFI signal

P2.5
35 ug

P2.5=PM2.5, "u" stands for the unit of "ug/m³"

**Sensor probe
Interchangeable**



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- Main meter automaticaly diagnoses the sensor probe and displays the parameter such "CO,CO2,HCHO, O2, VOC ..." on the LCD. Meter is powered by either AAAx6pcs batteries or AC/DC adaptor (Long time recording required)