SD Card real time data recorder CO2, CO, O2, Humidity, Dew point, Temp., 6 in 1

AIR QUALITY METER

Model: AQ-9912SD *ISO-9001, CE, IEC1010*











LUTRON ELECTRONI

The Art of Measurement

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		he data into the SD memory	Dimension	Meter CO2/Humidit	177 x 68 x 45 mm	
card and can be down load to the Excel, extra software is no need. User can make the further data or graphic				CO2/Humidity probe	y length 175 mm x § 28	
analysis by themselves. under the Excel software.				O2 probe	150 x 38 x 38 mm	
* At the same time, the SD memory card can record 3 probe's data (CO2/Temp. , %RH/Temp. /Dew /Wet , CO/Temp. ,			Accessories	CO probe	150 x 38 x 38 mm anual 1 PC	
O2/Temp.) ten group analog data with the time information			Included	Hard carrying	case, CA-081 PC	
into the one Excel file at the same time. Manual datalogger is available, during execute the			\dashv \mid		ity probe1 PC	
		able, during execute the on, it can set the different			1 PC	
location no. (p	osition 1 to	position 99).	Optional	SD memory of		
* Air quality measurement application, multi-function :			Accessories	AC to DC 9V		
CO2 (Carbon dioxide), CO (Carbon monoxide), O2 (Oxygen in air), Humidity, temperature measurement.				USB cable, USB cable, USB cable,		
CO2 range : 0	to 10,000 p	ppm x 1 ppm.	\exists L		ion software, SW-U801-WIN.	
O2 range : 0 to CO range : 0 to			FLECTRICAL	SPECIFICATION	NE (22+ E %)	
Humidity range			ELECTRICAL	SPECIFICATIO	N3 (23±5 C)	
		et bulb Temp. measurement.	CO2 (Carbon	dioxide)	Ì	
Temp. range :	0 to 50.0 (erm reliability	\dashv	Range	0 to 10,000 ppm	
CO2 sensor : NDIR, long term reliability. CO, O2 sensor : Galvanic cell type.		CO2	Resolution	1 ppm		
Humidity sensor : Precision capacitance sensor Alarm setting with the beeper sound output.			(Carbon dioxide)	Accuracy	± 40 ppm * ≤1,000 ppm.	
* Sampling time for data recorder is 2 seconds to 8 hours.			- dioxide)		± (50 ppm + 3% of reading)	
Complete set with 3 probes :			23 ± 5 ℃.		* > 1,000 ppm ≤ 3,000 ppm.	
CO2/Temp., Humidity/Temp probe, O2/Temp. probe, CO/Temp. probe, main meter and the hard carrying case.					± (50 ppm + 5% of reading) * > 3,000 ppm, reference only	
Separate probe	e, easy for r	emote measurement.	□	Repeatability	± 20 ppm * ≤ 3,000 ppm.	
Meter can coop	erate with	2 GB to 16 GB SD card, SD	T			
card is optiona RS232/USB cor		rface.	Temperature	Range Resolution	0 °C to 50 °C,32 °F to 122 °F. 0.1 degree	
Patented.	paron inte			Accuracy	°C: ± 0.8 °C °F: ± 1.5 °F.	
SENERAL SPEC	IEICATIC	MC .	CO / Co-t :	iovido \		
Circuit		ne-chip of microprocessor LSI	CO (Carbon d	ioxiue)	J	
	circuit.			Range	0 to 1,000 ppm	
Display	LCD size	: 52 mm x 38 mm (Dot Matrix) green backlight (ON/OFF).	CO * Carbon	Resolution	1 ppm ± (5% + 2 ppm)	
Measurement		green backlight (ON/OFF).	^ Carbon monoxide	Accuracy Response	± (5% + 2 ppm) < 30 seconds	
	CO (Carb	oon monoxide)		time *		
	O2 (Oxyg Humidity	gen in air)		Sensitivity drift	< 5% per year	
		t Temp., Wet bulb Temp.			time value is specified to reach	
	Temperat	Temperature		the 90% read		
Sensor structure	CO2 Humidity	NDIR * Nondispersive infrared sensor Precision capacitance sensor	Temperature	Range	0 ℃ to 50 ℃,32 °F to 122 °F.	
	O2	Galvanic cell type	Temperature	Resolution	0.1 degree	
	CO	Galvanic cell type		Accuracy	℃:±0.8℃ °F:±1.5°F.	
Datalogger	Temp. Auto	Precision thermistor 2 sec to 8 hour 59 min. 59 sec.	O2 (Air oxyge	n)	ì	
Sampling Time Setting range	Auto	@ Sampling time can set to 1 second,	LOZ (All Oxyge		J 	
		but memory data may loss.	- I [ac	Range	0 to 30 %O2.	
	Manual	Push the data logger button once will save data one time.	O2 * Air oxygen	Resolution Accuracy	0.1 %O2. ± (1 % reading + 0.2 % O2).	
		@ Set the sampling time to	All Oxygen	-	@ After calibration	
		0 second.		Response time	≤ 15 secor @ t 90	
		@ Manual mode, can also select the 1 to 99 position (Location) no.		Overload protection	100 %O2.	
Data error no.	0.1% of t	otal saved data max.	\exists	Environment	0.9 to 1.1 atmosphere.	
Memory Card	SD memo	ry card. 1 GB to 16 GB.	_	pressure range	·	
Advanced setting	* SD mer * Set clos	mory card Format		Expected life time	≥2 years.	
@ main setting	* Set san	npling time		Alarm	If the measurement Air oxygen	
	* Auto power OFF management * Set beep Sound ON/OFF				value is < 18.0 %O2, the buzzer will sound for warning.	
	* Decimal point of SD card setting				will sound for warning.	
	* Temp.	unit setting	Temperature	Range	0 ℃ to 50 ℃,32 °F to 122 °F.	
		value setting e value setting		Resolution	0.1 degree °C : ± 0.8 °C °F : ± 1.5 °F.	
Data Hold		e display reading.	∃ L	Accuracy	C. ± 0.0 C F. ± 1.5 F.	
Memory Recall	Maximum	& Minimum value.			ı	
Sampling Time of Display	Approx. 1 second. Humidity/Temperature				J	
Data Output	RS 232/U	SB PC computer interface.	\dashv	Range	5 % to 95 % R.H.	
	* Connec	t the optional RS232 cable	Humidity	Resolution	0.1 % R.H.	
		2 will get the RS232 plug. t the optional USB cable		Accuracy	≥70% RH: ± (3% reading + 1% RH).	
	USB-01	will get the USB plug.			< 70% RH :	
Power Supply	* ،Alkaline	or heavy duty DC 1.5 V battery] L		± 3% RH.	
		AA) x 6 PCs, or equivalent. adapter input. (AC/DC power		Range	0 °C to 50 °C,32 °F to 122 °F.	
	adapte	r is optional).	Temperature	Resolution	0.1 degree	
Power Current	CO2	Normal operation (w/o SD card sav		Accuracy	°C ± 0.8 °C.	
	measure- ment	data and LCD Backlight is OFF) : Approx. DC 136.5 mA.		1	°F ± 1.5 °F.	
	mem	When SD card save the data and LCD Backlight is OFF) :	Dew Point Ten	np. (Humidity)	ì	
			°c -	Dance.	25 2 % to 40 0 %	
	Humidity	Approx. DC 166 mA. Normal operation (w/o SD card sav	°C	Range Resolution	-25.3 ℃ to 48.9 ℃ 0.1 ℃	
	measure-	data and LCD Backlight is OFF) :	°F	Range	-13.5 °F to 120.1 °F.	
	ment	Approx. DC 10.5 mA.	D Romarts:	Resolution	0.1 °F.	
		When SD card save the data and LC Backlight is OFF):		isplay value is cal	culated from the	
		Approx. DC 40 mA.	Humidity/Te	mp. measuremen	t automatically.	
	O2 or	Normal operation (w/o SD card sav			m accuracy value of Humidity	
	CO measure-	data and LCD Backlight is OFF) : Approx. DC 12.5 mA.	L & Temperati	ure measurement		
	ment	When SD card save the data and LC	D Wet bulb Tem	p. (Humidity)	ì	
		Backlight is OFF) :				
	@If I CD	Approx. DC 42.5 mA. backlight on, the power consumption	- °c	Range Resolution	-21.6 ℃ to 50.0 ℃ 0.1 ℃	
	will inc.	rease approx. 12 mA.	°F	Range	-6.9 °F to 122.0 °F.	
Operating	0 to 50 ℃	. (32 to 122 °F).	Demand	Resolution	0.1 °F.	
Temperature Operating	Lee than	80% R.H.	Remark :	nlav value is colo	ulated from the Humidity/Temp.	
	Luss (Hdf)	5575 K.II.		nt automatically.	a.a.ca nom the numberly remp.	
Humidity				* The Well bulb accuracy is sum accuracy value of Humidity & Temperature measurement		
	350 g/0.7	7 LB.	* The Welt bu	lb accuracy is sur		