SD Card real time data recorder, Patent

# VACUUM METER

### Model: VC-9210SD

*ISO-9001, CE, IEC1010* 





## SD Card real time recorder VACUUM METER Model : VC-9210SD

#### FEATURES

#### **GENERAL SPECIFICATIONS**

Custom one-chip of microprocessor LSI					
LCD size : 52 mm x 38 mm					
LCD with green backlight ( ON/OFF ).					
7 kind display units : torr, mm Hg,					
mbar, KPa, hPa, inch Hg, psi.					
Push button on the front panel.					
Push button gain adjustment, usage for					
calibration precisely if necessary.					
Auto	1 sec to 8 hour 59 min. 59 sec.				
@ Sampling time can set to 1 second					
but memory data may loss.					
Manual	Push the data logger button				
	once will save data one time.				
	@ Set the sampling time to				
	0 second.				
	@ Manual mode, can also select the				
	1 to 99 position ( Location ) no.				
0.1% of total saved data max.					
SD memory card. 1 GB to 16 GB.					
Freeze the display reading.					
Maximum & Minimum value.					
	circuit. LCD size : ! LCD with g 7 kind displ mbar, KPa, Push buttor Push buttor calibration Auto Manual 0.1% of tot SD memory Freeze the				

Advanced	* SD memory card Format			
setting	* Set clock time (Year/Month/Date,			
	Hour/Minute/Second)			
	* Set sampling time			
	* Auto power OFF management			
	* Set beep Sound ON/OFF			
	* Decimal point of SD card setting			
Sampling Time	Approx. 1 second.			
of Display				
Data Output	RS 232/USB PC computer interface.			
	* Connect the optional RS232 cable			
	UPCB-02 will get the RS232 plug.			
	* Connect the optional USB cable			
	USB-01 will get the USB plug.			
Operating	0 to 50 ℃. ( 32 to 122 °F ).			
Temperature				
Operating	Less than 80% R.H.			
Humidity				
Power Supply	* Alkaline or heavy duty DC 1.5 V battery			
	(UM3, AA) x 6 PCs, or equivalent.			
	* DC 9V adapter input. ( AC/DC power			
	adapter is optional ).			
Power Current	Normal operation ( w/o SD card save			
	data and LCD Backlight is OFF) :			
	Approx. DC 5 mA.			
	When SD card save the data and LCD			
	Backlight is OFF) :			
	Approx. DC 25 mA.			
	*.If LCD backlight on, the power			
	consumption will increase approx.			
	12 mA.			
Weight	350 g/0.77 LB.			
Dimension	177 x 68 x 45 mm			
	(7.0 x 2.7x 1.9 inch)			
	* Meter only			
Accessories	Instruction manual 1 PC			
Included	Vacuum sensor probe			
Included	Hard carrying case, CA-06 1 PC			
Optional	Soft carrying case, CA-05.			
Accessories	SD memory card ( 1 GB )			
10003301163	SD memory card ( 2 GB )			
	AC to DC 9V adapter.			
	USB cable, USB-01.			
	RS232 cable, UPCB-02.			
	Data Acquisition software, SW-U801-WIN.			

#### ELECTRICAL SPECIFICATIONS ( $23 \pm 5$ °C)

Unit	Max. range	Resolution	Accuracy
mbar	1500 mbar	1 mbar	± 1 % F. S.
КРа	150.0 KPa	0.1 KPa	(23±5℃)
hPa	1500 hPa	1 hPa	Note :
torr	1125 torr	1 torr	Included linearity,
mm Hg	1125 mm Hg	1 mm Hg	hysteresis and
inch Hg	44.30 inch Hg	0.02 inch Hg	repeatability
psi	21.75 psi	0.01 psi	F.S.: Full Scale

\* Appearance and specifications listed in this brochure are subject to change without notice.

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