## SD card real time recorder

# MANOMETER,7000 mbar

Model: **SD-**PMx9117 *ISO-9001, CE, IEC1010* 





## SD card real time data recorder 7000 mbar, differential input

## **MANAOMETER**

Model: SD-PMx9117

#### **FEATURES**

	EKTOKEO
*	Dual & differential input, 7000 mbar max. range.
*	Application: Industrial, laboratory, heating,
	ventilation, medical hospital, used for air or not
	corrosive and not ionized gas.
*	Sensor is built inside the housing.
	Single lugs for pipe connection.
*	10 kind display units ( mbar, psi, Kg/cm^2 , mm Hg,
	inch Hg, meter H2O, inch H2O, Atmosphere, hpa, kpa)
	select by push button on the front panel
*	Auto shut off saves battery life.
*	Zero button on the front panel, easy to offset the zero
	value.
*	Microprocessor circuit assures maximum possible accuracy,
	provides special functions and features,
*	Super large LCD display with contrast adjustment for best
	viewing angle.
*	setup extra software, after execute datalogger, just take
	away the SD card from the meter and plug in the SD card
	into the computer, it can down load the all the measured
	value with the time information ( year/month/date/
	hour/minute/second ) to the Excel directly, thenuser can
	make the further data or graphic analysis by themselves.
*	SD card capacity: 1 GB to 16 GB.
*	LCD with green light backlight, easy reading.
*	It can default auto power off or manual power off.
*	Data hold, record max. and min. reading.
*	Microcomputer circuit, high accuracy.
*	Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.
*	RS232/USB PC COMPUTER interface.

### GENERAL SPECIFICATIONS

GLINERAL SEL				
Circuit				
	circuit.			
Display	LCD size: 51 mm x 37 mm			
	LCD with	green backlight ( ON/OFF ).		
Display units		Hg , inch H2O , hPA , KPA, mbar,		
		2 , mm Hg , meter H2O , Atmosphere.		
Measurement	Dual & differential input, data hold,			
Function	zero/relative, memory.			
Zero adjust	Push button on the front panel.			
Sensor	* Sensor is built inside the housing.			
		lectric sensor.		
	<ul><li>Used f</li></ul>	or dry, non-corrosive and		
	non-ionic air and gas only.			
	Liquid	is prohibited.		
Datalogger	Auto	1 sec to 8 Hour 59 Minute 59 sec.		
Sampling Time		@Sampling time can set to 1 second,		
Setting range		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.		
Memory Card	SD memo	ory card. 1 GB to 16 GB.		
Advanced * Set clock time				
setting	(Year/Month/Date, Hour/Minute/ Second )			
	* Set sa	mpling time		
	* Auto p	oower OFF management		
	* Set be	ep Sound ON/OFF		
	* Decimal point of SD card setting			
	* SD memory card Format			
Data Hold	Freeze the display reading.			
Memory Recall	Maximum & Minimum value.			
Sampling Time	e Approx. 1 second.			
of Display				
Operating	0 to 50 °(	C		
Temperature				
Operating	Less than	า 85% R.H.		
Humidity				

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.
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 7 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. 10 mA
Weight	265 g/0.59 LB.
Dimension	190 x 68 x 45 mm
	(7.5 x 2.7x 1.8 inch)
Accessories	* Instruction manual 1 PC.
Included	* Hard carrying case 1 PC.
	* PLug for quick coupler 2 PCs.
Optional	SD memory card ( 4 GB )
Accessories	AC to DC 9V adapter.
	USB cable, USB-01.
	RS232 cable, UPCB-02.
	Data Acquisition software, SW-U801-WIN.

ELECTRICAL SPECIFICATIONS (23±5 ℃)

ELECTRICAL SPECIFICATIONS (23±5 C)				
Unit	Max. range		Resolution	
mbar	±7000	mbar	5	mbar
psi	±101.5	psi	0.05/0.1	psi
Kg/cm^2	±7.135	Kg/cm^2	0.005	Kg/cm^2
mm Hg	±5250	mm Hg	5	mm Hg
inch Hg	±206.7	inch Hg	0.1	inch Hg
meter H2O	±71.35	meter H2O	0.05	meter H2O
h PA	±7000	h PA	5	inch H2O
K PA	±700	K PA	0.5	Atmosphere
inch H2O	±2810	inch H2O	2	inch H2O
Atmosphere	±6.905	Atmosphere	0.005	Atmosphere

Unit	Max. range		Accuracy	
mbar	±7000	mbar	± 2 % F.S.	
psi	±101.5	psi		
Kg/cm^2	±7.135	Kg/cm^2	Note:	
mm Hg	±5250	mm Hg	*23 ± 5 °C .	
inch Hg	±206.7	inch Hg	* F.S.: full scale	
meter H2O	±71.35	meter H2O	* Included linearity,	
h PA	±7000	h PA	hysteresis and	
K PA	±700	K PA	repeatability	
inch H2O	±2810	inch H2O		
Atmosphere	±6.905	Atmosphere		

#### Remark :

Remark :		
Measuring	Display unit	
unit		
psi	PSI	
inch Hg	in Hg	
inch H2O	in H2O	
h PA	h PA	
KPA	_PA	
mbar	- bAr	
Kg/cm^2	_g C2	
mm Hg	Hg	
meter H2O	H2O	
Atmosphere	AtP	

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