MANOMETER,2000 mbar

Model: PM-9110SD *ISO-9001, CE, IEC1010*









The Art of Measurement

SD card real time data recorder 2000 mbar, differential input

MANAOMETER

Model: PM-9110SD

FEATURES

*	Dual & differential input, 2000 mbar max. range.
*	Application: Industrial, laboratory, heating,
	ventilation, medical hospital, used for air or not
	corrosive and not ionized gas & liquid.
*	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
L	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	CHICAI	10113		
Circuit Custom one-chip of microprocessor LS				
	circuit.			
Display	LCD size: 51 mm x 37 mm			
		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				
Sensor	* Sensor is built inside the housing.			
		lectric sensor.		
		or dry, non-corrosive and		
		nic air and gas only.		
	Liquid	is prohibited.		
Datalogger	Auto	1 sec to 8 Hour 59 Minute 59 sec.		
Datalogger Sampling Time	Auto	@Sampling time can set to 1 second,		
Setting range		but memory data may loss.		
Setting range	Manual	Push the data logger button		
	iviai iuai	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 mom	ory card. 1 GB to 16 GB.		
Advanced		ock time		
setting		'Month/Date,Hour/Minute/ Second)		
setting		mpling time		
		power OFF management		
	* Sot bo	ep Sound ON/OFF		
	* Docim	al point of SD card setting		
	* SD me	emory card Format		
Data Hold	Freeze the display reading.			
Memory Recall	Maximum & Minimum value.			
Sampling Time				
of Display	1			
Operating	0 to 50 °	O.		
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.

Unit	Max. ra	Max. range		Resolution	
mbar	±2000	mbar	1	mbar	
psi	±29	psi	0.01	psi	
Kg/cm^2	±2.04	Kg/cm^2	0.001	Kg/cm^2	
mm Hg	±1500	mm Hg	1	mm Hg	
inch Hg	±59.05	inch Hg	0.02	inch Hg	
meter H2O	±20.4	meter H2O	0.01	meter H2O	
h PA	±2000	h PA	1	h PA	
K PA	±200	K PA	0.1	K PA	
inch H2O	±802	inch H2O	0.5	inch H2O	
Atmosphere	±1.974	Atmosphere	0.001	Atmosphere	

Unit	Max. range		Accuracy
mbar	±2000	mbar	± 2 % F.S.
psi	±29	psi	
Kg/cm^2	±2.04	Kg/cm^2	Note:
mm Hg	±1500	mm Hg	*23 ± 5 ℃ .
inch Hg	±59.05	inch Hg	* F.S. : full scale
meter H2O	±20.4	meter H2O	* Included linearity,
h PA	±2000	h PA	hysteresis and
K PA	±200	K PA	repeatability
inch H2O	±802	inch H2O	
Atmosphere	±1.974	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		