SD Card, real time data logger, Water quality, Patent pH/ORP, DO, CD/TDS, Salt

Model: WA-2017SD

ISO-9001, CE, IEC1010







OXPB-11 (optional)

(optional)





LUTRON ELECTRONIC

The Art of Measurement

SD Card real time data logger pH/ORP, DO, CD/TDS, SALT METER Model : WA-2017SD

FEATURES	M	odel : WA-2017SD							
* One meter for mu PH/ORP, CD/TDS,	Optional Accessories		* Oxygen probeOXPB-11 * Spare Probe head with Diaphragm set						
* pH : 0 to 14.00 pF * Conductivity : 200	I, ORP : ± 199 uS/2 mS/20 r	99 mV. mS/200 mS.			* Probe-filli	ng Electro	lyte		DXHD-04 DXEL-03
* Dissolved oxygen * Salt : 0 to 12 % si	_		 * ORP Elect SD memory 	card (1 0	GB)	C	ORP-14		
ATC probe.	-	Dissolved Oxygen and			SD memory AC to DC 9V	/ adapter.	GB)		
PH meter function	can select PH	DC 9V adapter in. f or ORP. C or manual temperature			USB cable, RS232 cable Data Acquis	e, UPCB-02		001 10/701	
adjustment.		auto calibration for	ELECTRICAL	SPECT				801-WIN.	
pH 7, pH 4 and pl	H 10 or other		A. PH/mV			(202.0	0)		
Conductivity meas of measurement s	urement can : olution.	select Temp. Coefficient	PH	0	ptional,				
ATC for the conductivity measurement. Dissolved oxygen meter use the polar graphic type			Electrode Measurement	A	ny PH electrode H	0 to 14 PH			
oxygen probe with temperature sensor, high precision measurement for Dissolved Oxygen (DO) and			Input		IV 0^12 ohm	-1999 mV t	o 1999 mV		
temperature measurement. * Heavy duty dissolved oxygen probe, probe head can			Impedance Temperature	м			, be adjusted		
connect with BOD bottle. * DO use the automatic Temp. compensation. * DO meter build in "% SALT " & " Mountain Height "			Compensation for pH measurement		utomatic		tional tempe		
compensation value adjustment. * Separate probe, easy for operation of different			pH		-	0 to 65 °C. H4, and PH10, 3 points calibration			
* Wide applications: water conditioning, aquariums,			Calibration	Calibration ensure the best linearity and accuracy.				, PE06HI	
beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating			probe and accessories	*	PE-04HD, PE-05T, PE-03K7 * ATC (automatic temperature				
industry, quality control, school & college, water conditioning.				*	probe) pH 7 buffer so	olution		PH-0	07
and Calendar, rea	I time data ree	alogger, it Built-in Clock corder , sampling time set		*	pH 4 buffer so ORP electrode				
from 1 sec to 8 ho Manual datalogge	r is available (set the sampling	Measurement		ange	Resolutio		uracy	
function, it can se	t the different	manual datalogger position (location) No.	PH mV	0	to 14 PH to 1999 mV	0.01 PH		1.02 PH + 2 1.5% + 2 d)	
(position 1 to pos Innovation and ea need to setup extra	sy operation,		* PH accuracy is		canprated met	er only.			
datalogger, just ta	ke away the S		B. Conductive		Optional, Car	bon rod at-	ctrode for !-	na life	
it can down load t the time informati	he all the mea	asured value with	Function		* Conductivity	/ (uS, mS)			
hour/minute/seco user can make the	nd) to the Ex	cel directly, then	Temperature		* TDS (Total Dissolved Solids, PPM) * Temperature (°C,°F) Automatic from 0 to 60 °C (32 - 140 °F),				
analysis by themse SD card capacity	elves. 1 GB to 16 G	B.	Compensation		with temperature compensation factor variable between 0 to 5.0% per C.				
LCD with green lig Can default auto p	ht backlight, bower off or m	easy reading. nanual power off.	Probe Operating Temp		0 to 60 °C.				
Data hold, record Microcomputer cir	cuit, high acc	uracy.	Probe Dimension Optional	1	Round, 22 mm Dia. x 120 mm length. * Conductivity probeCDPB-03				
Power by UM3/AA RS232/USB PC CO	(1.5 V) x 6 t MPUTER inter	patteries or DC 9V adapter. face.	probe and accessories		 * 1.413 mS 0 Solution 		Standard	с	D-14
ENERAL SPECIF			1. Conductivity				b		
rcuit	circuit.	e-chip of microprocessor LSI 52 mm x 38 mm	Range 200 uS	0 to	200.0 uS		Resolution		uracy
easurement		preen backlight (ON/OFF).	2 mS 20 mS 200 mS	2 to	to 2.000 mS 20.00 mS o 200.0 mS		0.001 mS 0.01 mS 0.1 mS	* F.S	2% F.S.+ S ull scale
Function	Conductivi	Conductivity/TDS(Total Dissolved Solids) Dissolved Oxygen		Compensa		F), with ter			in ocure
atalogger	Salt Auto	1 sec to 8 hour 59 min. 59 sec.	compensation	factor var	iable between t	0 to 5.0% p	er C.		
ampling Time etting range		@ Sampling time can set to 1 second, but memory data may loss.		* The accuracy is specified under measurement value ≤ 100 mS. * mS - milli Simens * @ 23± 5℃					
	Manual	Push the data logger button once will save data one time.	2. TDS (Total Range	2. TDS (Total Dissolved Solids) Range Measurement Resolution Accuracy					
		@ Set the sampling time to 0 second.		0 to 132 PPM 132 to 1,320 PPM			0.1 PPM 1 PPM		2% F.S.+
		@ Manual mode, can also select the 1 to 99 position (Location) no.	20,000 PPM 200,000 PPM	13,2	0 to 13,200 PP 00 to 132,000		10 PPM 100 PPM		S ull scale
lemory Card dvanced etting	SD memory card. 1 GB to 16 GB. * SD memory card Format * Set clock time (Year/Month/Date,			m 0 to 60	non : ℃ (32 - 140 % riable between l		mperature er °C.		
	Hour/Min * Set sampl	ute/ Second) ling time	* The accuracy is	* The accuracy is specified under measurement value \leq 66,000 PPM. * PPM - parts per million * @ 23 ± 5 °C					
	* Set beep	er OFF management Sound ON/OFF point of SD card setting	3. Temperature Function	3. Temperature Function Measuring Range Resolution Accuracy					
	* Set tempe	erature unit to °C or °F alt% compensation value	C T	0°C	C to 60 °C 0.1 °C ± 0.8 °C °F to 140 °F 0.1 °F ± 1.5 °F			0.8 °C	
	* Set DO he * Set DO he	eight (meter) compensation value eight (feet) compensation value	* @ 23± 5°C	* @ 23± 5℃ C. Salt					
	* Set CD to	mperature compensation factor TDS or TDS to CD, CD only anual Temp. compensation value	C. Salt		Optional,				
ata Hold emory Recall	Freeze the	alisplay reading. & Minimum value.	probe Measurement		Carbon rod el 0 to 12 % salt				
ampling Time Display	Approx. 1	second.	Range Resolution		0.01 % salt.				
Data Output	* Connect	B PC computer interface. the optional RS232 cable	Accuracy		0.5 % salt value * F.S. : full scale.				
	* Connect	will get the RS232 plug. the optional USB cable	Temperature Compensation		Automatic from 0 to 60 °C (32 - 140 °F), with temperature compensation factor				
perating	0 to 50 ℃.	vill get the USB plug.	Probe		variable between 0 to 5.0% per C. 0 to 60 °C.				
emperature Iperating Iumidity	Less than	85% R.H.	Operating Temperature Probe		Round 22 m	n Dia v 130) mm lenath		
ower Supply	* Alkaline	or heavy duty DC 1.5 V battery AA) x 6 PCs, or equivalent.	Dimension		Round, 22 mm Dia. x 120 mm length. * Salt probe (Conductivity probe)CDPB-03				
	 *.DC 9V adapter input. (AC/DC power adapter is optional). 		probe and accessories						
Power Current	Normal operation (w/o SD card save data and LCD Backlight is OFF) :		D. Dissolved	oxyger]			_	
	Approx. DC 14 mA. When SD card save the data and LCD Backlight is OEE		Oxygen						
	Backlight is OFF) : Approx. DC 37 mA. * If I CD backlight on the newer		Probe Measurement		Dissolved Oxygen 0 to 20.0 mg/L (liter). Oxygen in Air 0 to 100.0 %.				
	* .If LCD backlight on, the power consumption will increase approx. 12 mA.		& Range		Temperature		0 to 50	۳C.	
eight mension	12 mA. 489 g/1.08 LB. 177 x 68 x 45 mm		Resolution		Dissolved Oxy Oxygen in Air Temperature	ryen	0.1 mg 0.1 % 0.1 °C.		
rcessories	(7.0 x 2.7x		Accuracy PC (23±5℃)		Dissolved Oxy		± 0.4 mg/L. ± 0.7% O2.		
Included	* Hard car	rrying case (CA-06)1 ivity/TDS probe,Salt probe	PC (23±5°C) PC Probe		Oxygen in Air Temperature Temperature			C/1.5 °F.	
Optional	CDPB-03	31 rodePE-03	PC Compensation		Salt		Autom		
cessories	in cicli	PE-11, PE-01, PE-06HD, PE-04HD, PE-05T, PE-03K7			Height (M. T. 335 g/0.74 LE			00 meter)
		utomatic Temperature TP-07	Probe Size		190 mm x 28 mm Dia. (7.5" x 1.1" Dia.) * Oxygen probeOXPB- * Spare Probe head with Diaphragm set OXHD- * Probe-filling ElectrolyteOXEL-6				
	* pH 7 bu * pH 4 bu	ffer solutionPH-07 ffer solutionPH-04	Accessories						
	Salt pro	tivity/TDS probe, beCDPB-	-03		* Probe-milin	g Liecu olyte			
	Salt prol * 1.413 m				* Probe-niiini	g Liecu olyte			_

Germany: Nr. 20 2008 016 337.4 JAPAN : 3151214 U.S.A. : Pending
* Appearance and specifications listed in this brochure are subject to change without notice.

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