SD Card, real time data logger, Water quality, Patent

pH/ORP, DO, CD/TDS, Salt

Model: WA-2017SD

ISO-9001, CE, IEC1010













The Art of Measurement

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

PALODIC CONTROL CONTROL - SERVICE CONTROL - SE	FEATURES * One meter for mu	lti purnose one	eration :	Optional	* Ovvnen	probe		OXPR-11	
City program of the Sub-layer Company of the Sub-layer and Company of the Sub-layer And Not Sub-layer	* pH : 0 to 14.00 pH, ORP : ± 1999 mV.				* Spare Pr	* Spare Probe head with Diaphragm setOXHD-			
Colored Ry, 1967, Colored September 1971 Fill Institute Landon on water filter COM. Fill Institute Landon on	Conductivity: 200 Dissolved oxygen	uS/2 mS/20 m : 0 to 20.0 mg/	nS/200 mS. /L.]]	* Probe-filling ElectrolyteOXE * ORP ElectrodeORI			OXEL-03	
The Control of the Co	 Optional PH, ORP, 	art (% weight , CD/TDS/Salt,). Dissolved Oxygen and		SD memor	SD memory card (2 GB)			
Primeraciment on select ATC or annual temperature	DC 1.5V (UM-3, A	can select PH	or ORP.]	USB cable, RS232 cab	, USB-01. le, UPCB-02.			
Part	 PH measurement adjustment. 	can select ATC	or manual temperature]	Data Acqu	isition softwar		-WIN.	
Conductivity installations can be considered to a conductivity of the conductivity of	pH 7, pH 4 and p	H 10 or other v	alue.		PECIFICATIONS	s (23±5℃))		
And C after conductably measurement of processing and processing a	Conductivity meas	surement can s			Optional,				
measurement for Decoded Copyes (CO) of and improvement of the Composition of the Composit	ATC for the conductivity measurement. Dissolved oxygen meter use the polar graphic type				Any PH electron	0 to 14 PH) to 14 PH		
Preserved And Goodward professor p	measurement for Dissolved Oxygen (DO) and					-1999 mV to 1999 mV			
Do mater bail in * % SAR* 1 * Mountain Height*	* Heavy duty dissolved oxygen probe, probe head can			Temperature	Manual				
Separate profe, easy for operation of different enginement enterpretation of the complete processing o	* DO use the automatic Temp. compensation. * DO meter build in " % SALT " & " Mountain Height "					With the optional temperature probe (TP-07)			
Wide applications: worker conditioning, asparature, professory (1998) and	compensation value adjustment. * Separate probe, easy for operation of different					PH10, 3 points calibration			
including, sally control, school & Cooling, water conditions, controlled to the control biologist of the control biologis	 Wide applications beverage, fish hat 	: water condition tcheries, food p	processing,	Optional probe and	* PH electrode	* PH electrodePE-03, PE-11, PE-01, PE06HD			
Fixed times 50 memory card biologogy. 8 Built-in Octock and Calendar, real time data recorder, surprising time set for the control of the con	industry, quality of			accessories	probe)TP-07				
## Manual Disalogues of a small policy of the carpling flunction, it can set the different position (location) No. (political to position) computer in the case of the case o	Real time SD men			1	* pH 4 buffer	solution		PH-04	
function, it can set the different position (location) No. (Cooldon 18 position (set) and position (cooldon 18 position) (cooldon 18	from 1 sec to 8 ho Manual datalogge	our 59 min. 59 er is available (sec. set the sampling	Measurement	Range	Resolution	Accurac	у	
Introduction and easy operations, computer is not ened to subty exist a without my differ section in the computer, it can down load that the measured with the time siftered with or graphic analysis by themselves. International Control of the	time to 0), during execute the manual datalogger function, it can set the different position (location) No.			mV	0 to 1999 mV	1 mV			
databage_pi_st take away the 5D card from the meter and plus in the SD card into the computer, the three data or graphic and plus in the SD card into the computer, the street formation in various components of the street formation for the stre	Innovation and ea	asy operation,				eter only.			
Reard own load the all the measured value with hours/minut/second () such Exect disectly, (be not hours/minut/second () such execution () such executio	datalogger, just to meter and plug in	ake away the S the SD card ir	D card from the nto the computer,	Conductivity probe	Optional, Ci		ode for long li	fe	
Image: Continue Automatic from 0 to 0 to 10 (12 - 140 P),	it can down load the all the measured value with the time information (year/month/date/			Function	* Conductivi * TDS (Total	* Conductivity (uS, mS) * TDS (Total Dissolved Solids, PPM)			
SSO card capacky 1 GR to 1 G GR	user can make the	e further data	el directly, then or graphic		Automatic fr	Automatic from 0 to 60 °C (32 - 140 °F),			
Can default auto power off or manual power off.	* SD card capacity : 1 GB to 16 GB.				variable betv				
Memorphister (incut), high accuracy, Display Conductivity probe.	Can default auto p Data hold, record	power off or max. and min.	anual power off. reading.	Operating Temp. Probe Dimension	Round, 22 n				
Conductivity (uS, ms) Range Measurement Resolution Record Range Measurement Resolution Record Range Ra	Power by UM3/AA	(1.5 V) x 6 b	atteries or DC 9V adapter.	probe and	* Conductiv * 1.413 mS	rity probe Conductivity Sta	andard		
September Condition Cond			ace.		•			CD-14	
Septisy		Custom one-chip of microprocessor LSI		Range	Measurement	Measurement Resolution Accuracy			
Incident		LCD with gr			2 to 20.00 mS	2.000 mS 0.001 mS ± (2% 0.00 mS 0.01 mS * F.S			
Salt 1 sec to 8 hour 59 min. 59 sec. # Auto 1 sec to 8 hour 59 min. 59 sec. # Auto 2 second. # Auto		Conductivit		* Temperature Co.	mpensation :			full scale	
### ### ### ### ### ### ### ### ### ##)atalogger	Salt		compensation fa	ctor variable between	0 to 5.0% per 0	2.		
Manual Push the data bagger button	ampling Time								
Part		Manual	Push the data logger button once will save data one time.	Range	Measurement Resolution Accuracy				
16 99 position (Location) no. SD memory card 1 Gifs to 16 Gifs.			0 second.	2,000 PPM	132 to 1,320 PPM	o 1,320 PPM 1 PPM ± (2%		± (2% F.S.+	
# Somemory card format. # Set dock use (* Year)MonthDate,	Memory Card	SD memory	1 to 99 position (Location) no.		13,200 to 132,000	O PPM 1			
* Set sampling time * Auto power OFF management * Set beep Sound ON/OFF * Decimal point of SD card setting * Set beep Sound ON/OFF * Set both of SD card setting * Set DO sight (meter) compensation value * Set DO sight (meter) compensation value * Set DO sight (meter) compensation value * Set DO bright (meter) compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set pt immusi Temp, compensation value * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TDS to CD, CD only * Set CD to TD S or TD S or TD S to CD to CD only * Set CD to TD S or TD S to CD to CD only * Set CD to TD S or TD S to CD to CD only * Set CD to TD S or TD S to CD to CD only * Set CD to TD S or TD S to CD to CD only * Set CD to TD S or TD S to CD to CD only * Set CD to TD S or TD S to CD to CD only * Set CD to T	Advanced setting	* SD memor * Set clock to	* SD memory card Format * Set clock time (Year/Month/Date,		Automatic from 0 to 60 $^{\circ}$ C (32 - 140 $^{\circ}$ F), with temperature compensation factor variable between 0 to 5.0% per $^{\circ}$ C.				
* Set topsendur oil to C or F		* Set sampling time		* The accuracy is specified under measurement value ≤ 66,000 PPM. * PPM - parts per million * @ 23±5℃					
* Set Do leight (metr) compensation value * Set Do leight (feet) compensation value * Set CD beight (feet) compensation * Set CD beig		* Decimal point of SD card setting		3. Temperature Function					
* Set CD bemperature compensation factor * Set CD to TSo rT OS to CD, CD only * Set pH manual Temp, compensation value Freeze the display reading, demony Recall Maximum & Minimum value. Approx. J second. R 5232/USB PC computer interface. * Connect the optional RS232 cable UPCR-92 will get the RS22 lang. * Connect the optional USB cable USB-91 will get the USB plug. * Connect the optional USB cable USB-91 will get the USB plug. * Connect the optional USB cable USB-91 will get the USB plug. * Connect the optional USB cable USB-91 will get the USB plug. * Connect the optional USB cable USB-91 will get the USB plug. * Connect the optional USB cable USB-91 will get the USB plug. * Connect the optional USB cable USB-91 will get the USB plug. * Probe Operating Less than 85% R.H. Unmidity Ower Supply * Alkaline or heavy duty DC 1.5 V battery (UN3, AA) x 6 PCs, or equivalent. * "D.G Y 34 dapter input (RC/DC power adapter is optional). * Normal operation (will SD card save data and LCD Backlight is 16 PF): Approx. DC 24 mA. When SD card save the data and LCD Backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If LCD backlight is 16 FF): Approx. DC 24 mA. * "If L		Set DO salt% compensation value Set DO height (meter) compensation value		F * @ 23± 5℃					
* Set pH manual Temp. compensation value		* Set CD temperature compensation factor		C. Salt					
Range		* Set pH ma Freeze the	nual Temp. compensation value display reading.	probe	Carbon rod		g life.		
Accuracy 0.5 % salt value	ampling Time	e Maximum & Minimum value. Approx. 1 second.		Range					
WRCB-02 will get the RS232 plug		* Connect to	he optional RS232 cable		0.5 % salt v	0.5 % salt value			
Departing Departing Ceremperature Departing Lemidity		UPCB-02 I * Connect to	will get the RS232 plug. he optional USB cable		Automatic fr with tempera	om 0 to 60 ℃ (3 ature compensat	ion factor		
Departing Less than 8596 R.H.		<i>USB-01 w</i> 0 to 50 °C .	ill get the USB plug.						
"Alkaline or heavy duty DC 1.5 V battery (UM3, A) x 6 PC, or equivalent.	emperature Operating Humidity	ing Less than 85% R.H. ity		Temperature	Round, 22 n	nm Dia. x 120 m	m length.		
#DC 9V adapter input. (AC/DC power adapter is optional). power Current Normal operation (Wo SD card save data and LCD Backlight is OFF): Approx. DC 14 mA. When SD card save the data and LCD Backlight is OFF): Approx. DC 37 mA. *I. IC Db acklight on, the power consumption will increase approx. 12 m/A. Veight 489 g/1.08 LB. Jimension 177 x 68 x 45 mm (7.0 x 2.7x 1.9 inch) CCCEssories *Instruction manual	Power Supply	(UM3, A	A) x 6 PCs, or equivalent.	Dimension Optional	nension tional * Salt probe (Conductivity probe)CDPI		CDPB-03		
Dissolved oxygen Optional Approx. DC 14 mA.		*,DC 9V adapter input. (AC/DC power adapter is optional).			probe and				
When SD Card save the data and LCD Sacklight is OFF) : Approx. DC 37 mA.	Power Current	data and LCD Backlight is OFF):		D. Dissolved oxygen					
Approx. DC 37 mA Measurement Dissolved Oxygen D to 20.0 mg/L (liter).		When SD c Backlight is	ard save the data and LCD OFF) :	Probe		The polarographic type oxygen probe with			
12 mA 189 g1.08 LB 187 x 68 x 45 mm 177 x 68 x 45 mm 170 x 62 x 6		* ,If LCD ba	DC 37 mA. acklight on, the power	Measurement	Dissolved Oxygen in A	xygen .ir	0 to 20.0 m 0 to 100.0	ng/L (liter).	
Immension 177 x 68 x 45 mm (7.0 x 2.7 x 1.9 inch) Acuracy Osspaned Grogen in Air 0.4 mg/L Osspaned Grogen in Air 0.2 0.4 mg/L Osspaned Grogen in Air	Veight	12 mA.		Resolution	Dissolved Ox	xygen	0.1 mg/L.		
234 S C) Oxygen in Air 4.0,7% O2.		177 x 68 x	45 mm	Accuracy	Temperature	9	0.1 ℃.		
* Conductivity/TDS probe, Salt probe CDR9-03		* Instruction * Hard car	on manual	(23±5°C)	Oxygen in A Temperature	ir e	± 0.7% O2 ± 0.8 ℃/1.		
PE-11, PE-01, PE-06HD, PE-06HD, PE-06HD, PE-06HD, PE-074, PE-08HD, PE-074, PE-08HD, PE-075, PE-03K7 Probe Weight 335 g/0.74 l.B (batteries & probe housed 190 mm x 28 mm Dia. (7.5" x 1.1" Dia.) Probe Size 190 mm x 28 mm Dia. (7.5" x 1.1" Dia.)		* Conducti CDPB-03	vity/TDS probe,Salt probe	Compensation	Temperature		0 to 50 ℃, Automatic		
* ATC (Automatic Temperature Probe)	Optional Accessories	PE-11, PE-01, PE-06HD,			Height (M.		0 to 8900 n	neter	
* pH 7 buffer solution		* ATC (Automatic Temperature		Probe Size	190 mm x 2	190 mm x 28 mm Dia. (7.5" x 1.1" Dia.)			
* Conductivity/TDS probe, Salt probe		* pH 7 buf	fer solutionPH-07		* Spare Pro	be head with Dia	aphragm set		
* 1.413 mS Conductivity Standard		 Conducti Salt prob 	vity/TDS probe, eCDPB-03	11					
		* 1.413 mS	Conductivity Standard						