4 ranges, professional **CONDUCTIVITY METER** Model : YK-2004CD ISO-9001, CE, IEC1010



FEATURES

- * Range : 200 uS/2 mS/20 mS/200 mS.
- * Automatic temp. compensation, ATC factor adjustment.
- * Carbon rod electrode for long life.
- * Max., Min., Data hold.
- * RS-232 computer interface
- * Jumbo LCD display, unit with dot matrix LCD.
- * DC 1.5V (UM-3, AA) x 4 PCs or DC 9V adapter in.
- * Size : 203 x 76 x 38 mm.





200 uS/2 mS/20 mS/200 mS, TDS (PPM), RS232

CONDUCTIVITY METER Model : YK-2004CD

1. FEATURES

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Innovative feature with built-in automatic
temperature compensation factor adjustable
between 0 to 5.0% per °C.
Wide range, 200 uS/2 mS/20 mS/200 mS.
Selecting " 0% per $^\circ\!\!\mathbb{C}$ " of Temp. Coefficient Adjust,
allows you to take uncompensated conductivity
readings (absolute conductivity measurement).
Temperature compensation range : 0 to 50 $^\circ\!{ m C}$.
Carbon rod electrode for long life.
Conductivity measurement (uS, mS) or TDS
(Total Dissolved Solids, PPM) can be selected.
Auto range or manual range can be selected.
Wide sampling time adjustment range from two
seconds to 8 hours 59 minutes 59 seconds.
RS232 computer interface.
Can default auto power off or manual power off.
Super large LCD display with contrast adjustment for
best viewing angle.
Data hold, record max. and min. reading.
Power by UM3 (1.5 V) x 4 batteries or DC 9V adapter.
RS232 PC serial interface.
Separate probe, easy for operation of different
measurement environment.
Wide applications: water conditioning, aquariums,
beverage, fish hatcheries, food processing,
photography, laboratory, paper industry, plating
industry, quality control, school & college, water
conditioning.

2-1 General Specifications

2- i General Specifications			
Circuit	Custom one-chip of microprocessor LSI		
	circuit.		
Display	LCD size : 58 mm x 34 mm.		
Measurement	* Conductivity (uS, mS)		
	* TDS (Total Dissolved Solids, PPM)		
	* Temperature (°C, °F)		
Temperature	Automatic from 0 to 60 $^\circ C$ (32 - 140 $^\circ F$),		
Compensation	with temperature compensation factor		
	variable between 0 to 5.0% per C.		
Conductivity	Carbon rod electrode for long life.		
Probe			
Structure			
Data Hold	Freeze the display reading.		
Memory Recall	Maximum & Minimum value.		
Power off	Auto shut off saves battery life or		
	manual off by push button.		
	@Can default auto power or manual		
	power off.		
	@When default auto power function,		
	power will off automatically after		
	10 min., if no button be pressed.		
Sampling Time	Approx. 1 second.		
of display			
Data Output	RS 232 PC serial interface.		
Operating	0 to 50 $^\circ\!\!{ m C}$ Main instrument.		
Temperature	0 to 60 $^\circ\!{ m C}$ - Conductivity probe only.		

Operating	Less than 80% R.H.		
Humidity			
Power Supply	DC 1,5 V battery (UM3) x 4 PCs,		
* main instrum	e(Heavy duty type).		
	DC 9V adapter input.		
	@ AC/DC power adapter is optional.		
Power Current	Approx. DC 15.2 mA		
Weight	425 g/ 0.94 LB. @ Battery is included.		
Dimension	Main instrument :		
	203 x 76 x 38 mm		
	Conductivity PROBE :		
	Round, 22 mm Dia. x 120 mm length.		
Accessories	Instruction manual1 PC		
Included	Conductivity probe 1 PC		
	Carrying case1 PC		
Optional	* 1.413 mS Conductivity Standard		
Accessories	Solution		
	* AC to DC 9V adapter.		
	* RS232 cable, UPCB-02.		
	* Data Acquisition software,		
	SW-U801-WIN.		

2-2 Electrical Specifications (23 \pm 5 °C) A. Conductivity

Range	Measurement	Resolution	Accuracy
200 uS	0 to 200.0 uS	0.1 uS	
2 mS	0.2 to 2.000 mS	0.001 mS	± (2% F.S.+1d)
20 mS	2 to 20.00 mS	0.01 mS	* F.S Full scale
200 mS	20 to 200.0 mS	0.1 mS	
* Temperature Compensation :			
Automatic from 0 to 60 $\%$ (32 - 140 $\%$), with temperature			
compensation factor variable between 0 to 5.0% per C.			
* The accuracy is specified under measurement value \leq 100 mS.			

* mS - milli Simens * @ $23\pm5^{\circ}$ C

B. TDS (Total Dissolved Solids)

Range	Measurement	Resolution	Accuracy
200 PPM	0 to 132 PPM	0.1 PPM	
2,000 PPM	132 to 1,320 PPM	1 PPM	± (2% F.S.+1d)
20,000 PPM	1,320 to 13,200 PPM	10 PPM	* F.S Full scale
200,000 PPM	13,200 to 132,000 PPM	100 PPM	
* Temperatu	re Compensation :		
Automatic from 0 to 60 $^\circ\!\! C$ (32 - 140 $^\circ\!\! F$), with temperature			
compensation factor variable between 0 to 5.0% per $ {}^{\circ}\!\!{}^{\circ}$.			
* The accuracy is specified under measurement value \leq 66,000 PPM.			
* PPM - parts	s per million * @ 23± 5	С	

C. Temperature

Function	Measuring Range	Resolution	Accuracy
°C	0 ℃ to 60 ℃	0.1 ℃	0.8 °C
°F	32 °F to 140 °F	0.1 °F	1.5 °F
* @ 23± 5°C			

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