

# CODUCTIVITY/TDS METER

Model : YK-22CT

ISO-9001, CE, IEC1010



## FEATURES

- \* 2 in 1, professional Conductivity and TDS ( Total Dissolved Solids ) Meter.
- \* Conductivity, 2 ranges :  
2 mS, 20 mS.
- \* TDS, 2 ranges :  
2,000 PPM, 20,000 PPM.
- \* Temperature range :  
0 to 60 °C , 32 to 140 °F.
- \* Conductivity/TDS meter build in automatic Temp. compensation circuit, adjustable between 0 to 5.0% per °C.
- \* Conductivity/TDS meter uses carbon rod electrode with long life.
- \* Microprocessor circuit, intelligent function.
- \* Records maximum and minimum readings with recall.
- \* Data hold.
- \* Auto shut off saves battery life.
- \* RS 232 PC serial interface.

 **Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# CONDUCTIVITY/TDS METER

Model : YK-22CT

## FEATURES

* 2 in 1, professional Conductivity and TDS ( Total Dissolved Solids ) Meters.	* Conductivity/TDS meter use carbon rod electrode for long life, separte pobe convenient for remote measurement.
* Conductivity meter is included two ranges : 2 mS, 20 mS. TDS meter is with 2 ranges : 2,000 PPM, 20,000 PPM. Temperature measurement range is 0 - 60 °C / 32 - 140 °F	* Microprocessor circuit, intelligent function.
* Conductivity/TDS meter build in automatic temperature compensation circuit, adjustable between 0 to 5.0% per °C .	* Records Maximum and Minimum readings with recall.
	* Data hold.
	* Auto shut off saves battery life.
	* RS 232 PC serial interface.
	* Temperature function with °C & °F display unit.

## GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.	Operating Humidity	Max. 80% RH.
Display	51 mm x 32 mm, dual function LCD display 15 mm ( 0.6" ) digit size. dual function LCD display,	Sampling Time	Approx. 0.8 second.
Measurement	* Conductivity * TDS ( Total Dissolved Soloids ) * Temp. ( sensing from CD/TDS probe )	Power Supply	006P DC 9V battery ( <i>Alkaline or Heavy duty type</i> ).
Memory Recall	Records Maximum and Minimum readings with recall.	Power Current	Approx. DC 6.0 mA. Approx. DC 4.2 mA.
Data hold	Hold the reading value on the display.	Weight	210 g/0.46 LB ( meter only ). 290 g/0.64 LB ( meter and probe ).
Power off	Auto shut off saves battery life, or manual off by push button.	Dimension	<i>Mian meter :</i> 195 x 68 x 30 mm ( 7.6 x 2.6 x 1.2 inch ). <i>Conductivity/TDS probe :</i> Round, 22 mm Dia. x 120 mm length.
Data Output	RS 232 computer serial interface.	Accessories included	Conductivity/TDS probe.....1 PC. Operation manual.....1 PC. Carrying case, CA-06.....1 PC.
Overload indication	"- - -" symbol on the display.	Optional Accessories	1.413 mS Conductivity Standard Solution..... CD-14 RS232 cable,..... UPCB-02 Application Software..... SW-U801-WIN
Operating Temperature	0 to 50 °C - main instrument. 0 to 60 °C - Conductivity/CT probe only.		

## ELECTRICAL SPECIFICATIONS ( 23 ± 5 °C )

<b>* Conductivity/TDS meter specifications</b>			
<i>Measurement</i>	<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>
Conductivity	2 mS ( 0.2 to 2,000 mS )	0.001 mS	± ( 3 % F.S. + 1 d ) * <i>F.S. - Full scale</i> * <i>mS - milli Simens</i> * <i>PPM - parts per million</i>
	20 mS ( 2 to 20.00 mS )	0.01 mS	
TDS	2,000 PPM ( 132 to 1,320 PPM )	1 PPM	
	20,000 PPM ( 1,320 to 13,200 PPM )	10 PPM	
Temperature	0 °C to 60 °C	0.1 °C	± 0.8 °C
	32 °F to 140 °F	0.1 °F	± 0.8 °C
* <i>Temperature Compensation :</i> <i>Automatic from 0 to 60 °C ( 32 - 140 °F ), with temperature compensation factor variable between 0 to 5.0% per C.</i>			
* <i>mS - milli Simens</i>			
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* <i>PPM - parts per million</i>			

## OPTIONAL ACCESSORIES

CD-14	1.413 mS calibration solution.
SW-U801-WIN	Software for Data Logging.
UPCB-02	RS232 cable for data transmission.

## APPLICATIONS

* AQUARIUMS	* FOOD PROCESSING	* PAPER INDUSTRY	* SCHOOLS & COLLEGES
* BEVERAGE	* PHOTOGRAPHY	* PLATING INDUSTRY	* SWIMMING POOLS
* FISH HATCHERIES	* LABORATORY	* QUALITY CONTROL	* WATER CONDITIONING

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

CAT-0403-YK22CT