

# 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**

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**NT** NEWTECH INSTRUMENTS

# 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, sepearate 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 ( Alkaline or Heavy duty type ).
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 )

* Conductivity/TDS meter specifications			
Measurement	Range	Resolution	Accuracy
Conductivity	2 mS ( 0.2 to 2,000 mS )	0.001 mS	± ( 3 % F.S. + 1 d ) * F.S. - Full scale * mS - milli Simens * PPM - parts per million
	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
* Temperature Compensation : Automatic from 0 to 60 °C ( 32 - 140 °F ), with temperature compensation factor variable between 0 to 5.0% per C.			
* mS - milli Simens			
* mS - milli Simens			
* PPM - parts per million			

## 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.

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