200 uS/2 mS/20 mS, RS-232
CONDUCTIVITY METER

Model : CD-4303

ISO-9001, CE, IEC1010

www.yalab.com.tw 02-2389-0101
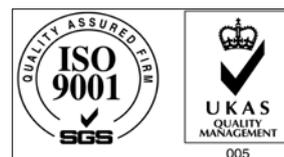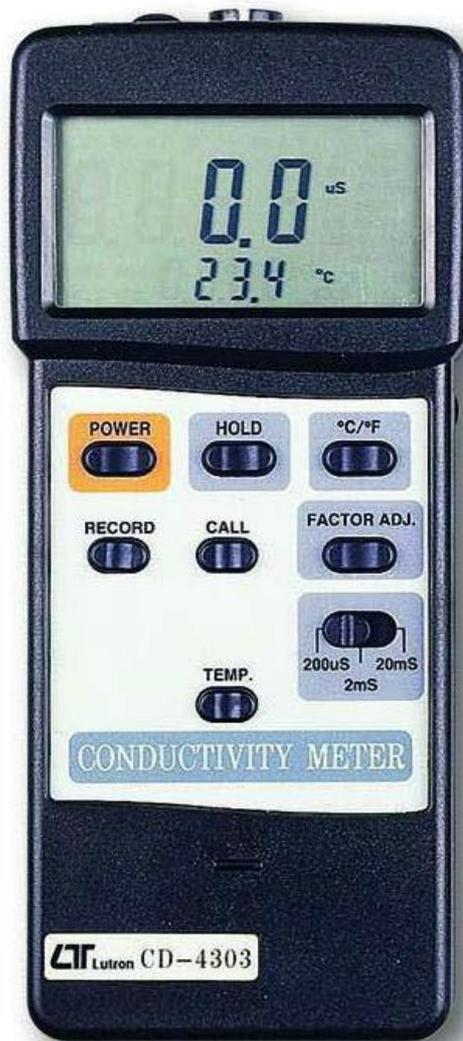
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CONDUCTIVITY METER

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FEATURES	
* Microcomputer circuit assures maximum possible accuracy, provides special functions and features.	* Innovative feature with built-in automatic temperature compensation values, adjustable between 0 to 5.0% per ℃. Turning the dial to 0% per ℃ allows you to take uncompensated conductivity readings.
* Super large LCD display with contrast adjustment for best viewing angle.	
* Dual function meter's display.	* Wide automatic temperature compensation range from 0 ℃ to 60 ℃, high accuracy.
* Heavy duty & compact housing case, designed for easy carry out & operation.	* Carbon rod electrode for long life.
* Records Maximum, Minimum and Average readings with RECALL.	* Show the conductivity & temperature values at the same LCD display.
* DATA HOLD function for stored the desired value on display.	* Temperature function for ℃ or ℉ be selected by push button on front panel easily.
* Auto shut off saves battery life.	* Built-in low battery indicator.
* The portable conductivity meter provides fast, accurate readings, with digital readability and the convenience of a remote probe separately.	* Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, quality control, school & college, water conditioning.
* RS 232 PC serial interface.	
* Multi-measuring ranges: 200 uS, 2 mS, 20 mS.	

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Solution Temp. Coefficient Factor	Preset to 2.0 % per ℃. Automatic from 0 to 60 ℃ (32-140 ℉), with temperature compensation factor variable between 0 to 5.0% per ℃.
Display	* 13 mm(0.5") Super large LCD display with contrast adjustment for best viewing angle. * Dual function meter's display.		
		Operating Temperature	0 to 50 ℃ - main instrument. 0 to 60 ℃ - probe only.
Measurement & ranges	200 uS - 0.1 uS to 199.9 uS. 2 mS - 0.2 mS to 1.999 mS. 20 mS - 2 mS to 19.99 mS Temperature : ℃, ℉.	Operating Humidity	Max. 80% RH.
		Power Supply	006P DC 9V battery(heavy duty).
Sensor Electrode	Carbon rod electrode, high reliability.	Power Current	Approx. DC 7.8 mA.
		Weight	350 g/0.77 LB

Data Hold	By push button	Dimension	Main instrument:
			    180 x 72 x 32 mm
			    (7.1 x 2.8 x1.3 inch).
			Conductivity probe:
			Round, 22 mm Dia. x 120 mm.

Memory Recall	Records Maximum, Minimum and Average readings with recall.		
Power off	Auto shut off saves battery life or manual off by push button.		
Sampling Time	Approx. 0.8 second.	Accessories Included	Instruction manual............1 PC. Conductivity electrode....... 1 PC. Carrying Case.................. 1 PC.
Data Output	RS 232 PC serial interface.		
Temperature Compensation	Automatic adjusting 0 ℃ to 60 ℃ (32 ℉ to 140 ℉).		
		Optional Accessories	* RS232 cable, UPCB-01 * USB cable, USB-01 * Data Acquisition software, SW-U801-WIN * 1.413 mS calibration solution, CD-14.
Over input indication	Indication of "- - - -".		

ELECTRICAL SPECIFICATIONS (23± 5 ℃)				
Function	Range	Measuring values	Resolution	Accuracy
Conductivity	200 uS 2 mS 20 mS	0.1 uS to 199.9 uS. 0.2 mS to 1.999 mS. 2 mS to 19.99 mS	0.1 uS 0.001 mS 0.01 mS	± (2 % F.S. + 1 d) * F.S. - Full scale
	* uS - micro Simens, mS - milli Simens			

Temperature	℃	0 ℃ to 60 ℃	0.1 ℃	± 0.8 ℃
	℉	32 ℉ to 140 ℉	0.1 ℉	± 1.5 ℉

* Appearance and specifications listed in this brochure are subject to change without notice.   0608-CD4303