

# CONDUCTIVITY LOGGER / CONTROLLER

Model No: CM – 510

\*\*\* Best suited for DM Plants

Conductivity is the most common on-line measurement used in Pure Water treatment, Semi-conductor processing, Power plant cycle chemistry monitoring, Pharmaceutical water monitoring etc. It is the most reliable indicator of water quality.

CM – 510 series of Conductivity meters measure and log Conductivity, TDS and Temperature with real time. They are of miniaturized and lightweight design, offering improved ease of use.



## Features :

- Measures Conductivity or TDS and Temperature
- Wide Range conductivity / TDS measurement
- Highly intelligent control system
- Field selectable application specific temperature compensation
- Temperature uncompensated conductivity (USP requirement)
- Push button calibration – no screws to turn
- Backlit LCD indication gives a clear read-out in any lighting conditions
- Direct read out in conductivity or TDS
- Splash-proof housing protects internal components from accidental spills
- Easy to use plain text dialogue operation
- Selectable temperature reference.

## Specifications :

### Conductivity / TDS :

Mode	Range	Resolution	Accuracy	Cell – K Recommended
Conductivity / TDS	0.0 – 1.999 $\mu$ S/ppm	0.01 $\mu$ S/ppm	$\pm$ 1% of reading	0.1
	2.000 – 19.99 $\mu$ S/ppm	0.1 $\mu$ S/ppm		0.1, 1.0
	20.00 – 199.9 $\mu$ S/ppm	1.00 $\mu$ S/ppm		0.1, 1.0 10
	0.200 – 1.999 mS/ppt	0.01 mS/ppm		0.1, 1.0 10
	2.000 – 19.99 mS/ppt	0.10 mS/ppt		0.1, 1.0 10
	20.00 – 199.9 mS/ppt	1.00 mS/ppt		10
Temperature	0 to 100 $^{\circ}$ C	0.1 $^{\circ}$ C	$\pm$ 0.1 $^{\circ}$ C	NA

Model No.	CM510-1
<b>FUNCTIONAL</b>	
Range	Conductivity : As specified in above Table TDS : As specified in above Table
Accuracy	$\pm$ 1 % of reading , $\pm$ 0.25 $^{\circ}$ C
Resolution	As specified in above table
Inputs	Conductivity Cell & pt 100
Temperature Compensation	Automatic/Selectable reference temp. and uncompensated Selectable: 1,2,3,4,5 %
Output	Set-points/Alarm 1 Controlled set points; Relays: 1 SPDT, 2 Amp.
<b>GENERAL</b>	
Enclosure	Fibre reinforced plastic body with epoxy paint.
Display	1” Seven Segment , High intensity, Red LED’s and Blacklit LCD display
Keypad	Splash proof
Panel Cutout	250 X 225 X 100 (L X W X H)
Power	220V,50 Hz
Environmental Ranges	1. Operating temp. : 5 to 45 $^{\circ}$ C 2. Storage temp. : -40 to 65 $^{\circ}$ C 3. Humidity : Less than or equal to 80% RH non-condensing.

### Standard Supply:-

- Test & calibration certificates.
- Instruction manual.
- Warranty certificate

### Optional Accessories:-

- Conductivity Calibrators.
- Conductivity Cells & assemblies.
- Standard Solutions.

### Ordering Information: -

Refer specifications for model numbers.

\* Ask product catalogs for more information.

### APPLICATIONS:

This instrument provides highly reliable & accurate measurement of conductivity in areas like:

- Chemical Industry
- Pharmaceuticals
- Foodstuff Industry
- Water Conditioning.

For Further Information Contact:

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