



## DIGITAL CONDUCTIVITY METER 304

## DIGITAL CONDUCTIVITY TDS METER 307



- Conductivity
- Manual Temperature
- Cell Constant (1C.C.)



- Conductivity
- Auto/Manual Temperature
- TDS
- Temp. Co-efficient
- Cell Constant (1C.C. & 0.1C.C.)

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MANUFACTURERS OF ELECTRONIC INSTRUMENTS AND SCIENTIFIC EQUIPMENTS.

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**Systronics Digital Conductivity Meter 304 and 307** are convenient instrument for routine measurements of conductivity of various electrolytes such as Caustic content of rinse water, Electrolytic impurities in Distilled / Demineralised water, Sulphuric Acid concentration in pickling baths, Anodizing tanks, Soil Conductivity and other applications.

The instrument uses state of the art IC technology and consumes very little power. Source frequency (100 Hz or 1 KHz) gets automatically selected in the appropriate range. **Type 307** also measures Total Dissolved Solid (TDS) in liquid.

The unit is housed in compact, shock / rust proof & light weight injection molded cabinet.

Specifications	304	307
<b>Source Frequency</b>	: 100 Hz or 1 KHz automatically selected	100 Hz or 1 KHz automatically selected
<b>Conductivity Range</b>	: 0 $\mu$ S to 200 mS with 1.0 cell constant (5 decadic ranges)	0 $\mu$ S to 20 mS with 0.1 cell constant and 0 $\mu$ S to 200 mS with 1 cell (5 decadic ranges)
<b>TDS</b>	:	0 ppm to 20 ppt with 0.1 cell constant and 0 ppm to 200 ppt with 1 cell constant in 5 decadic ranges
<b>Temperature</b>	: 0° C to 100° C (Manual)	0° C to 100° C (Auto / Manual)
<b>Display</b>	: 3 digits LED	3 digits LED
<b>Resolution</b>		
Conductivity	: 0.1 $\mu$ s	0.01 $\mu$ s is lowest range with cell constant of 0.1
TDS	:	0.01 ppm in lowest range with cell constant of 0.1
Temperature	:	1° C
<b>Accuracy</b>		
Conductivity / TDS	: $\pm$ 1% of f.s. $\pm$ 1 digit (Conductivity )	$\pm$ 1% of f.s. $\pm$ 1 digit
Temperature	:	$\pm$ 1° C $\pm$ 1 digit
<b>Cond. Cell Compensation</b>		
0.1 Cell Constant	:	0.09 to 0.11
1 Cell Constant	: 0.9 to 1.1	0.9 to 1.1
<b>TDS - Factor</b>	:	0 to 1.00
<b>Cond. Tempco Range</b>	:	0.0 to 10.0% per °C
<b>Temperature Range</b>	:	0 to 100° C
<b>Temperature Sensor</b>	:	PT 100
<b>Power</b>	: 230 V $\pm$ 10% 50 Hz	230 V $\pm$ 10% 50 Hz
<b>Dimensions</b>	: 235(W) X 185(D) X 85(H) mm	210(W) X 220(D) X 105(H) mm
<b>Weight</b>	: 1.25 kg (Approx)	1.7 kg (Approx)
<b>Accessories</b>	: (1) 1 Cell Constant Cell (2) Clamp & Stand	(1) 1 Cell Constant Cell (2) 0.1 Cell Constant Cell (3) Temperature probe (Pt. 100 sensor) (4) Clamp & Stand

\*Technical Specifications, Appearance & model number are subject to change without prior notice in keeping up with the state of art.