



## $\mu\text{C}$ BASED CONDUCTIVITY METER 306

## $\mu\text{C}$ BASED CONDUCTIVITY - TDS METER 308



- Conductivity 0.1  $\mu\text{S}$  to 100 mS
- Temp. Co-efficient

- Conductivity 0.1  $\mu\text{S}$  to 100 mS
- TDS 0.1 ppm to 100 ppt
- Temp. Co-efficient

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**SYSTRONICS  $\mu$ C BASED CONDUCTIVITY 306 & CONDUCTIVITY-TDS METER 308** are a micro controller based system for accurate measurement for conductivity of liquids along with specific conductivity using temperature probe or manual temperature setting. The conductivity range is covered from 0.1 $\mu$ S to 100 mS in six decade range having the facility of automatic conductivity cell recognition (0.1 to 5 CC) & user's selectable temperature coefficient. Calibration data can be stored in memory and printer interface port for 80 column DM printers for hard copy of data.

Additional facility for conductivity / TDS meter 308 to measure Total Dissolved Solids (T.D.S.) from 0.1 ppm to 100 ppt by multiplying the conductivity with user-defined TDS factor.

This versatile instrument is useful where large number of samples have to be tested viz. D.M. Plants, Soil testing labs, Environmental labs, Effluent treatment plants.

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

SPECIFICATIONS	306	308
<b>Frequency</b>	: 100 Hz or 1 KHz Automatic	100 Hz or 1 KHz Automatic
<b>Conductivity</b>		
Range	: 0.1 uS to 100 mS. (6 decadic ranges)	0.1 uS to 100 mS. (6 decadic ranges)
Accuracy	: $\pm 1\%$ of F.S. $\pm 1$ digit	$\pm 1\%$ of F.S. $\pm 1$ digit
Resolution	: 0.001 $\mu$ s	0.001 $\mu$ s
<b>TDS</b>		
Range	:	0.1 ppm to 100 ppt. (6 decadic ranges)
Accuracy	:	$\pm 1\%$ of F.S. $\pm 1$ digit
<b>Temperature</b>		
Range	: 0° C to 100° C (Auto / Manual)	0° C to 100° C (Auto / Manual)
Resolution	: 0.1° C	0.1° C
Accuracy	: $\pm 0.2^\circ$ C $\pm 1$ digit	$\pm 0.2^\circ$ C $\pm 1$ digit
<b>Cell Constant</b>	: Acceptable from 0.1 to 5.0	Acceptable from 0.1 to 5.0
<b>Auto Temp. Compensation</b>	: 0° C to 100° C with PT 100 sensor	0° C to 100° C with PT 100 sensor
<b>Manual Temp. Compensation</b>	: 0° C to 60° C user selectable	0° C to 60° C user selectable
<b>Conductivity Temp. Co-efficient</b>	: 0.0% to 9.9% user selectable	0.0% to 9.9% user selectable
<b>Display</b>	: 7 digits, 7 segment LEDs (3 digits for TEMP/TEMPCO 4 digits for Conductivity) With automatic decimal point selection	7 digits, 7 segment LEDs (3 digits for TEMP/TEMPCO 4 digits for Conductivity/TDS) With automatic decimal point selection
<b>TDS-factor</b>	:	0.00 to 9.99 user selectable
<b>Printer Port</b>	: Epson compatible 80 Column Dot Matrix	Epson compatible 80 Column Dot Matrix
<b>Power</b>	: 230V AC. $\pm 10\%$ , 50 Hz	230V AC. $\pm 10\%$ , 50 Hz
<b>Dimensions</b>	: 250(W) X 205(D) X 75(H) mm	250(W) X 205(D) X 75(H) mm
<b>Weight</b>	: 1.25 Kg (Approx)	1.25 Kg (Approx)
<b>Accessories</b>	: i) Conductivity cell, cell constant 0.1 ii) Conductivity cell, cell constant 1.0 iii) Temperature probe (PT-100 sensor) iv) Stand & Clamp	i) Conductivity cell, cell constant 0.1 ii) Conductivity cell, cell constant 1.0 iii) Temperature probe (PT-100 sensor) iv) Stand & Clamp

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