

# TDS / Conductivity Meter

## Microprocessor Lab Model TDS / Conductivity Meter

MODEL : TDS 101



## INTRODUCTION

**SANSEL TDS 101 Model TDS / Conductivity Meter that offer high accuracy, wide range of TDS / conductivity & temperature measurement in a single unit. User friendly features such as simultaneous temperature display, auto ranging, adjustable TDS factor, temperature Co - efficient, and automatic / manual temperature compensation makes TDS and Conductivity measurements as quick and easy. These technologically advanced meter build with easy 4 point calibration steps and adjustable cell constant.**

## Applications

- Water and waste water treatment
- Drinking water plant
- Printing Industries
- Pharmaceutical
- Aquaculture
- Cyanide Oxidation
- Beverage manufacturing
- Electro Plating Industries
- Photo development
- Swimming Pools
- Healthcare and etc.,.

## FEATURES

- ✓ Micro controller based high accuracy
- ✓ Three parameter in one unit
- ✓ Quick and easy calibration for full range upto 4 point push button calibration.
- ✓ Auto ranging measurement
- ✓ Adjustable TDS factor & temperature Co-efficient
- ✓ Selectable cell constant
- ✓ Selectable Automatic / Manual temperature compensation
- ✓ Non-volatile memory to hold your setting and calibration points, when power is OFF.
- ✓ 16 character x 2 line LCD display.
- ✓ ±1% of range accuracy.

## Technical Specifications

Model	TDS 101
Display	16 Character x 2 Line LCD Display
Range (Auto Ranging)	00.00 - 19.99 ppm / 00.00 - 19.99 $\mu$ S 20.0 - 199.9 ppm / 20.0 - 199.9 $\mu$ S 200 - 1999 ppm / 200 - 1999 $\mu$ S 2.00 - 19.99 ppt / 2.00 - 19.99 mS
Accuracy @ 25°C	± 1% of range for TDS & Conductivity / ± 0.5°C for Temperature
Resolution (minimum)	0.01 ppm to 0.01 ppt / 0.01 $\mu$ S to 0.01 mS (Auto) & 0.1° C
Measuring parameter	TDS / Conductivity (User Selectable) & Temperature ( ° C )
Calibration	Manual 4 Point for TDS & Conductivity / Error Adj. for Temperature
Operating Environment	0 - 50°C / 5 to 95 % RH Non condensing
Temperature Compensation	0 - 150°C Manual / Automatic
Cell Constant	0.1 / 1.0 (Selectable)
TDS Conversion Factor	0.4 to 1.0 (Adjustable)
Temperature Co - efficient	0.0 to 15.0% (Adjustable)
Power supply	90 to 270V AC / 50 Hz
Standard Accessories	Operation manual, Conductivity Cell (electrode), stand set, electrode clip
Dimension	185(W)x 190(D)x 75(H) mm
Weight	1 kg (Approx.)

Note: Due to continuous product improvements, Published specifications may change with out notice

### Standard Delivery

1. Basic Instrument
2. Platinum conductivity cell
3. Electrode Clamp & stand set
4. Instruction manual
5. ATC sensor compensation

### Optional

1. Imported certified Standard Solution

## SANSEL INSTRUMENTS AND CONTROLS

### SANSEL CALIBRATION LABORATORIES

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879  
( Thermal, Mechanical, Electro-Technical, Dimension Parameters )

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