

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.
- ✓ $\pm 1\%$ 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 μ S 20.0 - 199.9 ppm / 20.0 - 199.9 μ S 200 - 1999 ppm / 200 - 1999 μ S 2.00 - 19.99 ppt / 2.00 - 19.99 mS
Accuracy @ 25°C	$\pm 1\%$ of range for TDS & Conductivity / $\pm 0.5^\circ\text{C}$ for Temperature
Resolution (minimum)	0.01 ppm to 0.01 ppt / 0.01 μ S to 0.01 mS (Auto) & 0.1°C
Measuring parameter	TDS / Conductivity (User Selectable) & Temperature ($^\circ\text{C}$)
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)

1 / 46 , 3rd Main road, Ganga Nagar, MMDA Colony , Maduravoyal , Chennai - 600 095. INDIA

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