

# ONLINE TDS / CONDUCTIVITY INDICATOR

Model : TDSI 642



## INTRODUCTION

**SANSEL make TDS 642 indicator is extremely useful for fast and accurate determination of total dissolved solids or conductivity in a liquid. The use of solid state technology and IC circuitry makes this instrument versatile and reliable.**

**The factory set fixed range is available. The instrument is ideal for testing of natural water, drinking water, waste water, brine solution and sea water, etc.,.**

## APPLICATIONS

- |                                             |                                             |
|---------------------------------------------|---------------------------------------------|
| <input type="checkbox"/> Drinking water     | <input type="checkbox"/> Pharmaceutical     |
| <input type="checkbox"/> RO Water Treatment | <input type="checkbox"/> Plating            |
| <input type="checkbox"/> Sewage water       | <input type="checkbox"/> Healthcare, etc.,. |

## FEATURES

- ✓ 3½ Digit seven segment LED display
- ✓ Wide ranges
- ✓ Front zero & span calibration
- ✓  $\pm 1\%$  of FS accuracy
- ✓ Compact size
- ✓ Easy mount
- ✓ Variety of electrode fittings
- ✓ 90 to 270V AC /50Hz operating supply

## TECHNICAL SPECIFICATIONS

| Model                 |                       | TDSI 642                                                                                                                                                         |
|-----------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display               |                       | 3½ Digit 0.5" seven segment LED display                                                                                                                          |
| Range                 | TDS-<br>Conductivity- | 0 - 20 ppm / 0 - 200 ppm / 0 - 2000 ppm /<br>0 - 20 ppt / 0 - 200 ppt (any one)<br>0 - 20 $\mu$ S / 0 - 200 $\mu$ S / 0 - 2000 $\mu$ S<br>0 - 20 mS / 0 - 200 mS |
| Calibration           |                       | Zero & Span (Provided on front panel)                                                                                                                            |
| Accuracy              |                       | $\pm 1\%$ FS + 1 digit                                                                                                                                           |
| Resolution            |                       | Minimum 0.01 ppm ( depends up on range)                                                                                                                          |
| Cell constant         |                       | 0.1 (or) 1 (as per range)                                                                                                                                        |
| Input connection      |                       | Terminal                                                                                                                                                         |
| Operating environment |                       | 0 - 50°C / 20 to 95 % RH non condensing                                                                                                                          |
| Power supply          |                       | 90 to 270V AC / 50Hz                                                                                                                                             |
| Dimension             |                       | 48 x 96 x 65 mm                                                                                                                                                  |
| Cutout dimension      |                       | 44 x 92 mm                                                                                                                                                       |
| Weight                |                       | 170 grams                                                                                                                                                        |

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

### Standard Delivery

1. Basic Instrument
2. Panel mount Clamp set
3. Instruction manual

### Optional

1. TDS Electrode with PP adapter for easy pipe line fitting
2. Imported certified Standard buffer Solution
3. Pipe line Flow Through assembly of "L" type PVC setup for electrode for Tank installation.



## 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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