

# Conductivity Standard Solutions



Sensorex offers a wide range of Mixed Salt and Single Salt Conductivity Standards. Our standards are prepared to the National Institute of Standards and Technology (NIST) primary solutions standards. Both Mixed Salts and Single Salt solutions are available. NIST certificates are available for a nominal charge.

Conductivity solutions are supplied in quart bottles (946 ml) and are ready for immediate use. Both the TDS and the conductivity values are listed on the label. Shelf life is guaranteed for a year, and each solution is supplied with an MSDS sheet. Custom standards, such as special conductivity values or special packaging requirements, are available on request.

## Specifications

|                          |   |
|--------------------------|---|
| <b>Accuracy</b>          | +/- 1% of listed value @ 25 Deg C             |
| <b>Volume</b>            | 1 US quart(946mL)                             |
| <b>MSDS</b>              | Supplied with standards                       |
| <b>NIST Traceability</b> | Certificate Available for an additional cost. |

## Notes:

TDS Solutions are mixed salt (NaHCO<sub>3</sub>, Na<sub>2</sub>SO<sub>4</sub>, NaCl)

TDSK Solutions are Potassium Chloride (KCl) only

TDSNa Solutions are Sodium Chloride (NaCl) only

\*\*TDSK18 solution accuracy cannot be guaranteed due to environmental conditions

## Ordering Information

| Part Number   | Description          |
|---|----------------------|
| TDS15   | 15ppm/23.8uS         |
| TDS30   | 30ppm/46.7uS         |
| TDS150  | 150ppm/229uS         |
| TDS300  | 300ppm/445uS         |
| TDS500  | 500ppm/731uS         |
| TDS1000   | 1000ppm/1417uS       |
| TDS1500   | 1500ppm/2060uS       |
| TDS3000   | 3000ppm/3900uS       |
| TDS5687   | 5687ppm/7000uS       |
| TDS9523   | 9523ppm/10,000uS     |
| TDS15000  | 15000ppm/16,630uS    |
| TDS30000  | 30000ppm/30,100uS    |
| Single Salt Conductivity Standards (K = potassium, Na = sodium) |                      |
| TDSK18**  | 11.4 ppm/18 μS**     |
| TDSK70  | 45 ppm/70μS          |
| TDSK180   | 116.5 ppm/180 μS     |
| TDSK700   | 478 ppm/700 μS       |
| TDSK1800  | 1294 ppm/1,800 μS    |
| TDSK7000  | 5687 ppm/7,000 μS    |
| TDSK18000   | 16,462 ppm/18,000 μS |
| TDSNa12.5   | 6956 ppm/12,500 μS   |
| TDSNa13.4   | 7501 ppm/13,400 μS   |
| TDSNa14   | 7864.7 ppm/14,000 μS |