

Dissolved Salts Meters & Accessories

High levels of soluble salts in the soil can be caused by excessive fertilization, insufficient watering, poor drainage, or by some contributing salt water intrusion. High concentrations of soluble salts can inhibit plant growth and will reduce overall crop yields. Greenhouse plants and other sensitive crops may be damaged if soluble salts exceed 2000 ppm. Soluble Salts, or Total Dissolved Salts, are measured by means of a Conductivity Meter. A conductivity reading measures the capacity of a solution to conduct an electric current and is directly related to the total ionic concentration of dissolved substances in the solution. Thus, the conductivity reading of a soil extract can be converted into a reading of Total Dissolved Salts to indicate combined levels of sulfates, chlorides and other salts in the soil. Extract is prepared using distilled water, not included with meters.



Code
5-0036-01

LaMotte TDS 6 Series Meter

TDS 6 (without carrying case)

Code 5-0036-01 • NH (3)

TDS 6 (with carrying case)

includes two calibration standards

Code 5-0037-01 • NH (5)

Microprocessors have enabled meter manufacturers to combine many features into smaller designs with better accuracy. Meter includes electrode and temperature probe, and is available with or without a carrying case.

FEATURES:

- Push button operation
- Calibration 1 per range
- Range: 0.0-10.0, 100.0, 1,000 ppm, 1.0-10.00, 100.0, 200 ppt
- Power: Four AAA batteries included
- Temperature readout 0-100°C/0.1°C
- Automatic Temperature Compensation
- Auto-off after 17 minutes
- Hold function
- Adjustable conductivity to TDS factor
- Instructions included for measuring TDS in soil
- Meter has a two-year warranty



Code
1749

EC/TDS/SALT TRACER

Code 1749 • NH (1)

- Easy to use
- 2% accuracy for EC, TDS, and Salt modules
- Automatic temperature compensation
- Self calibration
- Memory can store up to 15 readings
- Automatic shut-off and low battery indicator; uses four 3V CR-2032 button batteries
- Auto Off after 10 minutes

OPTIONS:

- EC/TDS/SAL Replacement Electrode • Code 1765
- Weighted Stand w/Sample Cups (5) • Code 1746
- Sample Cups w/caps (24) • Code 1745
- Conductivity Standard, 84 μS • Code 6312-G
- Conductivity Standard, 1413 μS • Code 6354-G
- Conductivity Standard, 12,880 μS • Code 6317-G

Conductivity:	0 to 199.9 μS , 200 to 1999 μS , 2.00 to 19.99 mS
TDS:	0 to 99.9 ppm (mg/L), 100 to 999 ppm (mg/L), 1.00 to 9.99 ppt (g/L)
Salinity:	0 to 99.9 ppm, 100 to 999 ppm, 1.00 to 9.99 ppt
Accuracy:	EC, TDS, Salt: $\pm 2\%$ FS; Temperature: $\pm 1^\circ\text{C}$ (1.8°F)



Conductivity/TDS Solutions

The following potassium chloride solutions can be used to standardize conductivity meters. TDS values are based on a 0.7 conversion from conductivity.

Code	Description	Size
6312-L	84 $\mu\text{S}/\text{cm}$, 59 ppm	500 mL
6354-L	1,413 $\mu\text{S}/\text{cm}$, 989 ppm	500 mL
6317-L	12,880 $\mu\text{S}/\text{cm}$, 9016 ppm	500 mL