

Palintest®

Leaders in Water Analysis Technology

Micro 500 TDS METER

A portable meter with full laboratory specification

The Palintest Micro 500 TDS meter measures Total Dissolved Solids and temperature (°C). This sturdy meter measures up to 3 different ranges with auto-ranging capability that switches to appropriate measuring range automatically.

The measurement of total dissolved solids (TDS) is important in a number of applications – in particular industrial waters and swimming pools. The total dissolved solids concentration bears a close relationship to the conductivity of the water. TDS measurement is therefore most commonly carried out using instruments which determine the conductivity and then display the result in terms of total dissolved solids concentration.

The meter is capable of being calibrated independently on each measurement range. If a range is not calibrated, the meter automatically detects the closest calibration range and uses this calibration information. It is supplied with a TDS probe, is suitable for laboratory or field use and comes in a soft carrying pouch. Palintest TDS solutions are available for checking the instrument (see accessories below).



Technical Specifications

Range	0 to 99.9, 0 to 999 ppm; 0 to 9.99 ppt
Resolution	0.1, 1 ppm; 0.01 ppt
Accuracy	± 2% full scale
Temperature compensation	Automatic or Manual (from 0 to 80°C)
Power	4 x 'AAA' Alkaline batteries (incl)
Size	14 x 7 x 3.5 cm (instrument only)
Weight	200g (instrument only)

Ordering Information

- PT 142 **Micro 500 TDS Meter**
- PT 142/1 **Conductivity/TDS Probe**
- PT 142/2 **Standard Conductivity/TDS Solution High Range (12.88 mS)**
- PT 142/3 **Standard Conductivity/TDS Solution Mid Range (1412 µS)**
- PT 142/4 **Standard Conductivity/TDS Solution Low Range (74 µS)**

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