

## SP&S Specification Sheet for TC-3000 Tri-Meter

SP&S introduces the first compact water analysis instrument designed for precision measurements of Turbidity, Chlorine and Color. The TC-3000 is equipped with an advanced microprocessor to drive a patent pending optical system that permits EPA or ISO compliant measurements for the water and wastewater analyst. The unique optics configuration enables the instrument to read low levels for Turbidity (0.05 NTU), Chlorine (0.02 ppm) and Color (0.2 PCU) while also expanding to higher ranges, 0-4,000 for Turbidity and 0-10 ppm for Chlorine. The TC-3000 is available in either EPA or ISO 7027 compliant versions and features 6 languages, data logging, RS-232 interface and CE mark.



### Turbidity Specifications:

Unit of Measure:	NTU, FNU, FAU, ASBC, & EBC
Range:	0-4000
Resolution:	0.01 NTU/FNU (0.00-10.99) 0.1 NTU/FNU (11.00-109.9) 1 NTU/FNU (110-4000)
Accuracy:	±2%
Detection Limit:	0.05 NTU/FNU
Reproducibility:	0.02 NTU/FNU, 0.5 FAU
Light Source:	860nm LED (ISO) Tungsten (EPA)

### Chlorine Specifications:

Range:	0-10 ppm
Resolution:	0.01 ppm (0-5) 0.1 ppm (5-10)
Accuracy:	0.02 or ±2%
Detection Limit:	0.02 ppm
Response Time:	<5 Seconds
Light Source:	525 nm LED

### Color Specifications:

Range:	0-500 CU (color units)
Resolution:	0.1 CU (0-100 CU) 1 CU (100-500 CU)
Accuracy:	±0.5 CU or 2%
Detection Limit:	0.2 CU
Response Time:	<5 Seconds
Light Source:	UV LED 375 nm

### Color Specifications:

Range:	0-500 CU (color units)
Resolution:	0.1 CU (0-100 CU) 1 CU (100-500 CU)
Accuracy:	±0.5 CU or 2%
Detection Limit:	0.2 CU
Response Time:	<5 Seconds
Light Source:	UV LED 375 nm

### Meter Features:

Signal Averaging:	Disabled, 2, 5, 10
Battery:	9V
AC Power:	Optional
Data Logging:	4000 points
Auto Shut-Off:	Disabled, 5, 10, 30
Optional Software:	SmartLink2
Response Time:	<5 Seconds
Languages	English, French, Spanish, Japanese, Italian, & Portuguese

Item Description	Order Code
TC-3000e Turbidity, Chlorine, and Color Meter (turbidity complies with USEPA 180.1 Standard)	1964-EPA
TC-3000i Turbidity, Chlorine, and Color Meter (turbidity complies with ISO 7027 Standard)	1964-ISO
AC adapter (variable 100-240 VAC)	1754
Vial Ring (2-pk)	0641
Six pack of vials	0475
0 NTU Standard (ISO and EPA)	1480
1 NTU Standard (ISO)	1481
10 NTU Standard (ISO)	1482
100 NTU Standard (ISO)	1483
1 NTU Standard (EPA)	1484
10 NTU Standard (EPA)	1485
100 NTU Standard (EPA)	1486

**SP&S® Water Treatment Specialists**

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