

**NEW** from Taylor Technologies, Inc.

# TTi® 2000 Colorimeter

for pool/spa water analysts

The  
*tradition of excellence*  
continues!



*get*  
reliable performance  
*and*  
user-friendly features

31 Loveton Circle  
Sparks, Maryland 21152



800-TEST KIT (837-8548)  
[www.taylortechnologies.com](http://www.taylortechnologies.com)

The TTI® 2000 Colorimeter from Taylor Technologies offers water analysts reliable results plus a variety of features to maximize your productivity. This handheld, multiwavelength, microprocessor-controlled, menu-driven, direct-readout instrument employs LED light sources. Its portability and data-logging capabilities make it well suited for use at regulated pools and by service technicians.

#### Dependable chemistries from the most trusted name in water testing:

- serving water analysts with distinction since 1930
- manufacturer's Quality Management System is certified to ISO 9001:2008
- Accuracy Check Kit for quality control
- toll-free technical support from both chemists and programmers

#### Durable construction:

- custom-crafted for use under harsh conditions: chemical-, impact-, and heat-resistant housing; sure-grip molding; liquid crystal display protected from abrasion and chemicals
- IP67-certified as dust tight and immersible to 1 meter for 30 minutes
- complies with Canadian ICES-003 and European CE mark directives

#### • 5-YEAR WARRANTY

#### Ergonomic design:

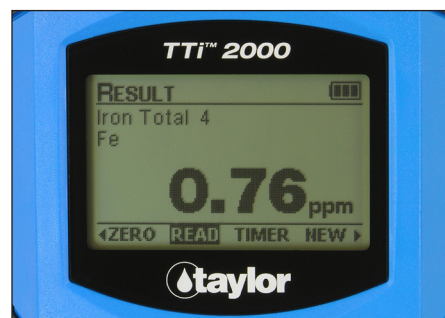
- fits neatly to hand; only weighs 21 ounces
- runs on batteries and AC power (batteries and power adapter included)
- automatic wavelength selection
- intuitive navigation using directional arrows
- graphical LCD with anti-glare coating offers excellent contrast and readability
- adjustable backlighting; a timeout feature conserves battery life
- tests organized alphabetically, not by a test number
- create your own menus of favorite tests and favorite series of tests
- auto-read function on test timer—never miss another test result because you got preoccupied with other tasks!
- second, general-purpose timer
- adjustable automatic shutoff

#### Preprogrammed tests for commercial and residential applications:

- all the tests necessary to prevent harm to swimmers or surfaces from poor water quality
- lifetime **FREE** upgrades as new tests are developed
- accepts 8 additional user-developed tests of 12 data points each
- read results in Concentration, % Transmission, or Absorbance
- **watch video demonstrations of tests on our website**

#### Data interface software makes managing records simple:

- store up to 100 date- and time-stamped test results in memory
- USB cable provided for data transfer to your PC or laptop
- Windows®-based TTI® Colorimeter Series PC App included in meter purchase
- dedicated website for software support



Never miss seeing your timed-test result with the TTI 2000's auto-read function.



(1) Rigid foam insert inside; use with optional soft case

#### M-2000 components ►



#### plus:

TTI® Colorimeter Series PC App

Online TTI® Colorimeter Series User's Manual

Lifetime **FREE** access to new test files (no need to return meter to manufacturer)



## OPTIONAL ACCESSORIES



### ▲ K-8000 TTI® Colorimeter Series Accuracy Check Kit

Verify instrument performance at all wavelengths using five secondary absorbance standards.



### ▲ #7146 Soft Carrying Case

Heavy-duty 600 denier polyester, sized to accommodate the rigid foam insert the M-2000 ships in.



### ▲ #9504 Hard Carrying Case (closed)



### ▲ #9504 Hard Carrying Case (open)

## SPECIFICATIONS

### Dimensions

Size	3-1/2 in. wide x 8-1/2 in. deep x 3-1/2 in. high
Weight (with batteries)	21 oz.
Liquid Crystal Display	160 x 100 resolution & polarized
Sample Cell Compartment	Accommodates 25 & 15 mm round sample cells
Part #9504 Hard Carrying Case (purchase separately)	20 in. wide x 15-5/8 in. deep x 5-1/2 in. high
Part #7146 Soft Carrying Case (purchase separately; use with rigid foam shipping insert)	11 in. wide x 7 in. deep x 4-5/8 in. high

### Performance

Photometric Range	0–2 ABS
Photometric Accuracy	±0.005 ABS @ 1.0 ABS nominal
Photometric Linearity	±0.002 ABS (0–1 ABS)
Repeatability	±0.005 ABS (0–1 ABS)
Resolution	0.001 ABS (0–1 ABS)
Wavelength Filters	420, 470, 520, 570, 620 & 660 nm
Wavelength Accuracy	±1 nm
Wavelength Bandwidth	10 nm ±1 nm
Stray Light	< 1.0%

### Instrument Rating

Power Source	4 x AA 1.5V alkaline or lithium batteries, AC power adapter, or USB cable
Battery Life (w/o backlight)	4 months (typical use, 12 tests/day, 5 days/week) w/ low battery indicator
Max Current	100 mA @ 5VDC
AC Power Adapter Input	100–240 VAC, 50/60 Hz
Input and Output Connections	Mini-B female USB port for data transfer and connection to AC power adapter or USB cable
Environmental Conditions	Operational temperature range: 32°F–122°F (0°C–50°C)

### Minimum System Requirements for PC App

CPU	Pentium® III or better
RAM	500 megabytes
Available Hard Disk Storage	30 megabytes
Operating System	Windows® XP, Windows® Vista, or Windows® 7 (compatible with 32-bit and 64-bit systems)

## AVAILABLE TESTS

FREE upgrades  
to meter software  
as new tests are  
developed

Kit No.	Analyte	Range(s)
K-8024	Alkalinity, Total	0–250 ppm $\text{CaCO}_3$
K-8002	Bromine, Total	0–10.0 ppm or 0–20.0 ppm $\text{Br}_2$
K-8001	Chlorine, Free & Total	0–4.00 ppm, 0–8.0 ppm, or 0–10.0 ppm $\text{Cl}_2$ (uses DPD/P)
K-8012	Copper, Total	0–3.00 ppm Cu
K-8032	Cyanuric Acid	7–120 ppm CYA
K-8030	Hardness, Calcium	0–800 ppm $\text{CaCO}_3$
K-8029	Hardness, Total	0–500 ppm $\text{CaCO}_3$ ; includes a test for NaCl for pools/spas that utilize salt systems to produce chlorine
K-8020	Hydrogen Peroxide (biganide shock)	0–2.00 ppm $\text{H}_2\text{O}_2$ ; by dilution: 2–20 ppm, 20–100 ppm, or 100–125 ppm $\text{H}_2\text{O}_2$

Kit No.	Analyte	Range(s)
K-8009	Iron, Total	0–4.00 ppm Fe
K-8034	Manganese	0–0.80 ppm Mn
K-8031	Monopersulfate (oxidizing shock)	0–10.0 ppm $\text{Cl}_2$
K-8035	Nitrate	0–44 ppm $\text{NO}_3^-$
K-8027	pH	6.50–8.50
K-8027AB	pH (with Acid & Base Demand)	6.50–8.50
K-8005	Phosphate	0–3.00 ppm (20–3000 ppb) $\text{PO}_4^{3-}$
K-8023	Sodium Chloride (salt)	0–80 ppm NaCl; by dilution: 75–150 ppm, 150–500 ppm, 500–2000 ppm, or 2000–8000 ppm NaCl

### WHY I LIKE IT

Creates shortcuts to my favorite test sequences (customized series for bromine spas, one for chlorine pools, another for pools with ECGs, etc.)

No tablet reagents to crush and dissolve before I can begin a procedure

No second-guessing color matches

Tests chlorine up to 10 ppm without doing dilutions

Gets accurate readings in any light, including indoors

The auto-read function on the test timer prevents me from missing a result because I got busy with other tasks

Greater test sensitivity means more precise readings, allowing me to calculate the chemical treatment without under- or overdosing

The PC App transfers time- and date-stamped test results to my main database for an irrefutable maintenance record

GREAT Taylor tech support

