

Taylor's TTi[®] 2000

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Colorimeter

FOR POOL/SPA WATER ANALYSTS

GET RELIABLE PERFORMANCE
AND USER-FRIENDLY FEATURES



THE TRADITION OF
EXCELLENCE CONTINUES!

 **taylor**

the most trusted name in water testing

Taylor Technologies, Inc.

410-472-4340

800-TEST KIT (837-8548)

www.taylor technologies.com

ISO 9001:2008 Certified

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:

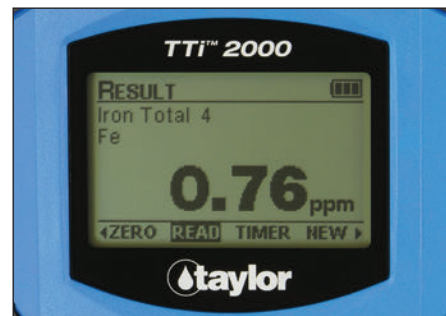
- fits neatly to hand; only weighs 21 ounces
- runs on batteries and AC power (batteries and power adapter included)
- automatic wavelength selection
- intuitive navigation using directional arrows
- graphical LCD with anti-glare coating offers excellent contrast and readability
- adjustable backlighting; 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)

lockable (padlocks not included)

corrosion-proof injection-molded polypropylene shell



holds 12 reagent packs or 36 2 oz. liquid reagents or a combination thereof

contents sold separately

adjustable utility compartments

watertight

sealed meter compartment for protection from vapors and liquids

ABS injection-molded insert

▲ #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

| Kit No. | Analyte | Range(s) |
|---------|------------------------|---|
| K-8024 | Alkalinity, Total | 0–250 ppm CaCO ₃ |
| K-8040 | Biguanide | 0–70 ppm PHMB |
| K-8002 | Bromine, Total | 0–10.0 ppm or 0–20.0 ppm Br ₂ |
| K-8001 | Chlorine, Free & Total | 0–4.00 ppm, 0–8.0 ppm, or 0–10.0 ppm Cl ₂ (uses DPD/P) |
| K-8012 | Copper | 0–3.00 ppm Cu |
| K-8032 | Cyanuric Acid | 7–120 ppm CYA |
| K-8030 | Hardness, Calcium | 0–800 ppm CaCO ₃ |
| K-8029 | Hardness, Total | 0–500 ppm CaCO ₃ ; includes a test for NaCl for pools/spas that utilize salt systems to produce chlorine |

| Kit No. | Analyte | Range(s) |
|----------|-------------------------------------|--|
| K-8020 | Hydrogen Peroxide (biguanide shock) | 0–2.00 ppm H ₂ O ₂ ; by dilution: 2–20 ppm, 20–100 ppm, or 100–125 ppm H ₂ O ₂ |
| K-8009 | Iron | 0–4.00 ppm Fe |
| K-8034 | Manganese | 0–0.80 ppm Mn |
| K-8031 | Monopersulfate (oxidizing shock) | 0–10.0 ppm Cl ₂ (uses DPD/P) |
| K-8035 | Nitrate | 0–44 ppm 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) 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

