



PTSA/FLUORESCEIN TESTING PRODUCTS

Tracing, PTSA/Fluorescein

214140 MD 640 Colorimeter & Fluorometer Each

The MD 640 is the enhanced version of the MD 610 photometer. This versatile meter works perfectly for field testing or in the lab. In addition to the traditional colorimeter tests, the MD 640 contains fluorescence capability for determining PTSA and fluorescein in water systems. Test ranges: PTSA 10-1000 ppb; Fluorescein 10-400 ppb. The MD 640 can store 500 data sets with over 120 pre-programmed test methods with data transfer via Bluetooth® using the AquaLX® App. The MD 640 operates in 8 different languages, has LED Optics, backlit LCD display, and auto shut off. Dimensions: 210 x 95 x 45 mm. Weight: 450 g. The MD 640 comes complete with:

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|------------------------------------|-------------------------------------|---------------------------|
| carrying case | 3 x 16 mm glass sample cells w/ lid | 5 ml syringe |
| 4 x AA batteries | 1 tablet crusher & 1 brush | 1 screw driver |
| 3 x 24 mm glass sample cells w/lid | 13 mm & 16 mm tube adapters | certificate of compliance |



warranty information
instruction manual

Note: Below is just a short list of tests available for the MD 640. Please contact Customer Service for a complete list if you do not find the test method you are looking for.

MD 640 Reagent Sets

CAT. NO.	PRODUCT DESCRIPTION	UNIT SIZE(S)
517711BT	Bromine, 0.05 - 13 mg/l. DPD/Glycine Method. Combi-Pack: DPD No. 1/ DPD No. 3 (100 Each)	Each
	512170BT Glycine Tablet (required if testing in presence of chlorine) (100 Pack)	Each
56R018490	Chloride, 0.5-20 mg/l. Mercury Thiocyanate/Iron Nitrate. Chloride Reagent Set (50 Tests)	Each
530100	Chlorine, 0.02 - 2 mg/l. DPD Method. VARIO DPD Free, F10 (100 Pack)	Each
530120	Chlorine, 0.1 - 8 mg/l. DPD Method. VARIO DPD Total, F10 (100 Pack)	Each
517721BT	Chlorine, 5 -200 mg/l. KI/Acid Method. Combi-Pack: Chlorine HR (KI) Acidifying GP (100 Each)	Each
530300	Copper, 0.05 - 5 mg/l. Bicinchoninate Method. VARIO CU1 Reagent, F10 (100 Tests)	Each
536000	DEHA, 20 - 500 µg/l. PPST Method. VARIO DEHA Reagent Set (100 Tests)	Each
515660BT	Hardness, Total, 20 - 50 mg/l, 200 - 500 mg/l. Metallphthalein Method Hardcheck P/Total Hardness Tablets (100 Tests)	Each
512380BT	Hydrogen Peroxide, 0.03 – 3 mg/l H2O2. DPD/Catalyst Method Hydrogen Peroxide LR Tablet (100 ct)	Each
530560	Iron, 0.02 - 3 mg/l. 1, 10-Phenanthroline Method. VARIO Ferro, F10 (100 Tests)	Each
535300	Molybdate, 0.5 - 66 mg/l. Mercaptoacetic Acid Method. VARIO HR Molybdate Reagent Set (100 Tests)	Each
535580	Nitrate, 1 - 30 mg/l N. Chromotropic Acid Method. VARIO Nitrate Tube Test Reagent Set (25 Tests)	Each
56R019090	Phosphate, 5 - 80 mg/l. Vanadomolybdate Method. Phosphate Reagent Set (50 Tests)	Each
535700	Silica, 1 - 90 mg/l. Silicomolybdate Method. VARIO Silica HR Reagent Set, F10 (100 Tests)	Each
532200	Triazole, 1 -16 mg/l. Catalyzed UV Digestion. VARIO Triazole Reagent, F25 (100 Ct)	Each
56R023965	Zinc, 0.01 - 2.5 mg/l. Zincon/EDTA Method. Zinc Reagent Set (50 Tests)	Each



MD 640 Calibration & Verification Standards

461210	PTSA Calibration Standard, 1000 ppb, 50 ml	Each
461245	PTSA Calibration Standard Set, 0/200/1000 ppb Standards, 10 ml each	Each
461230	Fluorescein Calibration Standard, 400 ppm, 50 ml	Each
461240	Fluorescein Calibration Standard Set, 0/75/400 ppb Standards; 0 & 75 ppb = 100 ml each, 400 ppb = 50 ml	Each

Handheld Little Dipper™ Fluorometer

The Little Dipper is a small handheld meter that is dustproof, waterproof, and highly durable. Single-point (100 ppb) calibration, 10 bit resolution, low maintenance field fluorometer. Instrument package includes: Batteries and Quick Start Guide. 1 year warranty. Dimensions: 8.9" x 2" x 1.75" Weight: 4.3 oz.



CAT. NO.	PRODUCT DESCRIPTION	UNIT SIZE(S)
2850-000-A	Handheld Little Dipper™ Fluorometer with PTSA Optics	Each
2850-000-F	Handheld Little Dipper™ Fluorometer with Fluorescein Optics	Each

Calibration Standards & Tracer Dyes

10-506	100 ppb Fluorescein, 1 Liter	Each
10-608	100 ppb PTSA, 1 Liter	Each

The Opti-Check™ Handheld Fluorometer

The Opti-Check is a lightweight yet durable meter for field testing. It is dustproof and watertight with a single point plus blank calibration. Dual-channel capability enables measurement for both cooling tower and boiler applications. Dimensions: 1.75" x 3.5" x 7.25" Weight: 13.9 oz.



CAT. NO.	PRODUCT DESCRIPTION	UNIT SIZE(S)
8000-000-AF	Opti-Check™ Handheld Fluorometer with PTSA and Fluorescein Channel Instrument package includes: Batteries and Storage Pouch (142-8000). 1 year warranty.	Each

Calibration Standards & Tracer Dyes

10-506	100 ppb Fluorescein, 1 Liter	Each
10-607	300 ppb PTSA, 1 Liter	Each
10-608	100 ppb PTSA, 1 Liter	Each