

THE ULTIMATE WATER QUALITY TESTER

eXact®
MICRO 20

The eXact® Micro 20 dual wavelength photometer tests over 35 water quality parameters with lab-quality accuracy at minimal cost. It features a narrow band wavelength filter for improved accuracy; long-life LED's and a built-in cell for ultra-performance. This high quality unit self calibrates and automatically selects the optimal wavelength for each test.

Most tests use the patented EZ-3™ Reagent Delivery Method, a quick and easy procedure for analysis. Dip an eXact® Strip into the water sample for 20 seconds with a simple back and forth motion, discard the strip, and read the results with the push of a button! This patented reagent delivery system provides smooth, precise reagent dispersion into samples without leaving suspended solids in the sample vial that adversely affect test results.



- **Accurate laboratory results with 0.01 precision**
- **Dual wavelengths (525 nm / 638 nm) for optimal performance**
- **Meter selects the optimal wavelength for each test parameter**
- **Equipped with narrow band wavelength filters for enhanced results**
- **No visual color matching, tablets, or powders**
- **Long-life LED light sources**
- **Uses DPD chlorine method accepted by Health Departments (replaces FAS-DPD and visual DPD kits)**
- **Each parameter stores 20 previous results (720 total)**
- **Uses EZ-3™ patented non-technical procedure test method - fast and accurate results in 3 simple steps (1 reagent for each direct read test)**
- **Safe test reagents, no MSDS sheets required for most tests**
- **2-Year warranty with satisfaction guarantee**
- **Manufactured in ISO 9000 facility**
- **Waterproof (IP-67) and it floats**

Scan for Details:



Part No. 486700



WATERPROOF
IP-67

TECHNICAL SPECIFICATIONS:

Measurement Method:	Photometric Light Sources: Light Emitting Diodes (LEDs)
Wavelength:	Dual Wavelength - 525nm and 638nm
Memory:	20 tests per parameter; 720 total
Programmed Tests:	Total Alkalinity, Aluminum, Ammonia, Biguanide, Bromine, Calcium Hardness, Chloride (Salt), Chlorine Dioxide, Free Chlorine (DPD-1), Combined Chlorine (DPD-3), Total Chlorine (DPD-4), High Range Chlorine, Chromium (VI), Copper, Cyanide, Cyanuric Acid, Fluoride, HR/LR Total Hardness, Hydrogen Peroxide, Free/Total Iron (TPTZ), Manganese, Nitrate, Nitrite, Ozone, Peracetic Acid, Permanganate, pH, pH-BT in Fresh Water, pH-BT in Salt Water, Phosphate, Quaternary Ammonia, Sulfate and Sulfide
Photometric Precision:	.01
Display:	3-digit customized liquid crystal display with annunciators
Cell Pathlength:	20mm
Cell Chamber:	Custom-molded, proprietary, PET plastic fused into chamber, non-removable
Sample Required:	4 mL (0.13 oz)
Reagent System:	Utilizes patented eXact® Strip Micro reagent delivery system with our EZ-3™ Method
Operating Temp. Range:	0 - 50°C (32° - 122°F)
Power Supply:	(4) AAA alkaline batteries (NOT INCLUDED)
Battery Life:	>2000 tests with alkaline batteries
Electromagnetic Compliance (EMC):	Emitted Interference - EN 61326; Immunity to Interference - EN 61326
Waterproof Rating:	Exceeds IP67
Instrument Weight:	133g (4.7 oz) and 181g (6.4 oz) with batteries
Instrument Dimensions:	5 (W) x 3 (D) x 16.5 (H) cm; (2 x 1.2 x 6.6 in)
Government Compliance:	European CE Mark

For additional information about the eXact® Micro 20 and our complete line of test strips, reagents, and water quality testing devices, please contact us.



Industrial Test Systems, Inc.

Innovators of Water Quality Testing

EZ-3™ Method
FAST, ACCURATE RESULTS IN
3 SIMPLE STEPS



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exact[®] MICRO 20

THE ULTIMATE WATER QUALITY TEST KIT



- KIT INCLUDES:**
- 1 exact[®] Micro 20 dual wavelength photometer
 - exact[®] Strip Micro DPD-1 (Free Chlorine)
 - exact[®] Strip Micro DPD-3 (Total Chlorine)
 - exact[®] Strip Micro pH
 - exact[®] Strip Micro Total Alkalinity
 - exact[®] Strip Micro Copper
 - exact[®] Strip Micro Manganese
 - exact[®] Strip Micro Nitrate
 - exact[®] Strip Micro Total Hardness
 - exact[®] Strip Micro High Range Chlorine
 - exact[®] Strip Micro Total Iron, TPTZ
 - Mini Dilution Kit II
 - Plastic Carrying Case
 - Plastic Stirrer
 - Cell Cleaning Brush
 - Mixing Cap

exact[®] MICRO 20 REAGENT TESTS

U.S. Pat No 7,333,194, U.S. Pat No 7,491,546, Euro Pat No 1 725 864 DE FR UK, and South African Pat No 2007/0628

#	PARAMETER / TEST	PART #	RANGE	EXPECTED ACCURACY*	CHEMISTRY	
	eXact [®] Micro 20 Meter	486700	N/A	N/A	N/A	N/A
	eXact [®] Micro 20 Standard Kit	486700-K	N/A	N/A	N/A	N/A
<i>Includes carrying case (486001), FC (486637), and TC (486638)</i>						
	eXact [®] Micro 20 Well Driller Kit	486700-WD	N/A	N/A	N/A	N/A
<i>Includes carrying case (486001), CL (486637), CL (486638), PH (486639), AL (486641), TH (486673), CU (486632), FE (486650), MN (486606), HR (486672), and NO3 (486655)</i>						
	Dilution Kit	487200	N/A	N/A	N/A	N/A
<i>Includes 1ea.; 500ml Vented Wash Bottle, Plastic Lab 50ml Graduated Cylinder w/ seal, 1ml syringe, 5ml syringe</i>						
	Ready Snap [®] 1P Method Verification Solution	480901-P	N/A	N/A	N/A	10
<i>Ampoules containing chemical solutions for use in water analysis. For verifying Total Alkalinity, pH, Calcium Hardness, Total Hardness, Copper, Cyanuric Acid, Phosphate, and Nitrate.</i>						
1	Alkalinity, Total	486641	1 - 320 ppm	±7.5%	Alizarin Red S + Citrate	100
2	Aluminum	486821	0.02 - 1.5 ppm	±13%	PV	50
3	Ammonia	486654	0 - 2.4 ppm	±5%	Salicylate Method	25
4	Biguanide	486810	2 - 200 ppm	±7.5%	Bromophenol Blue	50
5	Bromine	486636	0.1 - 12 ppm	±10%	DPD	100
6	Calcium (as CaCO ₃)	486629	18 - 420 ppm	±12%	Oxalic Acid	50
7	Chloride (as NaCl) III	486757	1 - 430 ppm	±20%	Silver (ppt)	25
8	Chlorine Dioxide	486633	0 - 10 ppm	±5%	DPD	100
9	Chlorine, Free	486637	0 - 5 ppm	±3%	DPD	100
10	Chlorine, High Range	486672	0.3 - 300 ppm	±7.5%	KI + Buffer	50
11	Chlorine, Total**	486638	0 - 5 ppm	±3%	KI	100
12	Chlorine, Total	486670	0 - 5 ppm	±3%	DPD + KI	100
13	Chromium (VI)	486614	0 - 1.8 ppm	±5%	Diphenylcarbazide	50
14	Copper (as Cu ²⁺)	486632	0 - 11 ppm	±2%	Biquinoline	50
15	Cyanide	486812	0 - 3 ppm	±13%	Isonicotinic/Barbituric Acid	50
16	Cyanuric Acid II	481652-II	3 - 120 ppm	±8%	Melamine (ppt)	60
17	Fluoride	486643	0.03 - 1.45 ppm	±15%	SPADNS	25
18	Glycine (used for Chlorine Dioxide)	484014	N/A	N/A	Glycine	50
19	Hardness, Total (as CaCO ₃)	486673	4 - 300 ppm	±16%	Phthalein Purple	50
20	Hardness, Total HR (as CaCO ₃)	486656	0 - 1250		Phthalein Purple	50
21	Hydrogen Peroxide LR	486616	0 - 2 ppm	±8%	DPD + PO ₄ + MoO ₄ + KI	50
22	Iron, Total (TPTZ)	486650	0.04 - 8 ppm	±3%	TPTZ + PP	50
23	Manganese	486606	0.02 - 1.5 ppm	±6%	PAN + Cyanide	24
24	Nitrate (as NO ₃)	486655	0.12 - 30 ppm	±15%	Zinc Reduction	50
25	Nitrate (as NO ₃) in salt water	486655	0 - 90 ppm		Zinc Reduction	50
26	Nitrite (as NO ₂)	486623	0 - 1.8 ppm	±5%	Chromotropic Acid	50
27	Ozone	486634	0 - 5 ppm	±3%	DPD + KI	100
28	Peracetic Acid	486674	0.02 - 6 ppm	±3%	DPD + KI	100
29	Permanganate	486626	0 - 5 ppm	±2%	DPD	100
30	pH	486639	5.5 - 8.8	±0.4 pH	Phenol Red	100
31	pH, BT Fresh Water	486652	4.5 - 9.2	±0.2 pH	Bromothymol Blue and Thymol Blue	100
32	pH, BT Salt Water	486657	4.5 - 9.0	±0.2 pH	Bromothymol Blue and Thymol Blue	50
33	Phosphate	486814	0 - 4 ppm	±4%	Molybdate Method	50
34	Quaternary Ammonia	486823	4 - 110 ppm	±4%	Bromophenol Blue + Buffer	50
35	Sulfate	486608	1 - 250 ppm	±5%	Barium (ppt)	50
36	Sulfide	486818	0 - 1.7 ppm	±6%	DPD Reagent + FeCl ₃	50

* Value provided represents best possible accuracy, but may vary throughout the detection range. ** Total Chlorine DPD-3 Test requires Free Chlorine DPD-1 (486637) to be run first. For resellers and distributors - Meter kits sold in quantities of 14 units per case and strips sold in quantities of 12 units per case.

VISIT SENSAFE.COM FOR DETAILS

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