

## Technical Data Sheet

# eXact Micro20 Smart Photometer



## Description

Easy to use, waterproof, robust, precise, fast, easy to calibrate, accurate and providing results for 44 parameters. Moreover, this very unique photometer can transmit the results to your **smartphone** by Bluetooth® and work in conjunction with the application eXact iDip® for iOS and Android to manage your testing data in a very easy and clear manner. **Add photos of sampling points, view the sampling points on a map and generate easy-to-understand reports** that can be sent via e-mail or messenger apps.

## Specifications

- Art. no.: 115931
- Form: Hard-shell case
- Dimension: 356 x 102 x 267 mm (outer case)
- Weight: 1,1 kg
- Energy source: 4 AAA Batteries; Battery life > 2,000 tests
- N° parameters: 44
- Dual wavelength: 525 nm or 638 nm LED
- Sample volume: 4 ml

### Content

- Meter with carrying case; 1 pcs
- Acrylic calibration stick; 1 pcs
- Cleaning brush; 1pcs
- Mixing cap; 1pcs
- Instructions; 1pcs

## Tests specifications (next page)

Parameter / Test	Count-up Time	Reagents Used	Range (ppm)	Resolution   Best Accuracy	†
Alkalinity, Total (fresh)	Immediate	AL Strip	10 – 210	0.1(10.0–50.0), 1(51–210)	7.5
Alkalinity, Total (pool)	Immediate	AL Strip	8 – 200	0.1(8.0–50.0), 1(51–200)	7.5
Alkalinity, Total (marine)	Immediate	AL Strip	25 – 200	1	7.5
Aluminum (Al <sup>3+</sup> ) <sup>1</sup>	80 seconds	5 Drops AL Buffer & AL Strip	0.01 – 1.20	0.01	13
Ammonia (NH <sub>3</sub> )	500 seconds	3 Drops NH (fresh) or 10 Drops NH (salt), & NH Strip	0.02 – 2.40	0.01	5
Biguanide	Immediate	BG Strip	1.6 – 210	0.1(1.6–20.0), 1(21–210)	7.5
Bromine, Total (DPD–4)	Immediate	bR (DPD–1) Strip	0.01 – 12.0	0.01(0.01–2.00), 0.1(2.1–12)	5
Calcium (as CaCO <sub>3</sub> )	Immediate	CA Strip	20 – 400	1	6
Calcium, Ultra High (marine)	Immediate	CAH Strip and 2 drops CAH	710 – 1500	1(710–999), 10(1000–1500)	10
Chloride (as NaCL)	Immediate	CH Strip	3 – 270	1	8
Chloride, HR (as NaCL)	Immediate	1:20 Dilution of sample & CH Strip	60 – 5400	20	15
Chlorine Dioxide (DPD–1)	Immediate	Glycine Strip & Cd (DPD–1) Strip	0.04 – 7.00	0.01(0.04–2.00), 0.1(2.1–7)	5
Chlorine, Combined	Immediate	CL (DPD–1) Strip & CL (DPD–3) Strip	0.01 – 6.20	0.01	3
Chlorine, Free (DPD–1)	Immediate	CL (DPD–1) Strip	0.01 – 6.20	0.01	3
Chlorine, Total (DPD–4)	Immediate	CL (DPD–4) Strip	0.01 – 6.20	0.01	3
Chlorine, Total High (II)	120 seconds	CLH Strip	1 – 270	0.1(1–20.0), 1(21–270)	5
Chromium (VI)	240 seconds	Cr Strip	0.01 – 1.80	0.01	5
Copper (Cu <sup>2+</sup> )	120 seconds	CU Strip	0.01 – 10.0	0.01(0.01–4.09), 0.1(4.1–10)	2
Cyanide	600 seconds	CN–1 Strip & CN–2 Strip	0.01 – 1.10	0.01	13
Cyanuric Acid (III)	60 seconds	8 Drops CY	1 – 110	1	8
Fluoride	Immediate	10 Drops F	0.04 – 1.50	0.01	15
Hardness, Total HR (as CaCO <sub>3</sub> )	Immediate	THH Strip	60 – 600	1	12
Hardness, Total LR (as CaCO <sub>3</sub> )	Immediate	THL Strip	1 – 80	1	10
Hardness, Total Ultra High Marine	Immediate	THU Strip and 10 drops THU	4000 – 8100	10	8
Hydrogen Peroxide	100 seconds	HP Strip	0.3 – 100	0.1(0.3–10.9), 1(11–100)	8
Iron, Total	40 seconds	EZ Open Reducer (Powder) & FE Strip	0.03 – 6.0	0.01(0.03–2.59), 0.1(2.6–6.0)	3
Manganese (Mn <sup>2+</sup> )	120 seconds	MN#1 Strip, MN#2 Strip, & 3 Drops MN	0.01 – 1.50	0.01	6
Metals	120 seconds	2 drops Mt	0.05 – 2.50	0.01	6
Molybdate	120 seconds	MO Strip, 5 drops MO	0.01 – 3.00	0.01	5
Nitrate (NO <sub>3</sub> ) (fresh)	600 seconds	NO3 Strip	0.12 – 30.0	0.01(0.12–5.00), 0.1(5.1–30)	15
Nitrate (NO <sub>3</sub> ) (marine)	580 seconds	NO3 Strip	1.00 – 20	0.01(1.00–20)	15
Nitrite (NO <sub>2</sub> )	360 seconds	NO2 Strip	0.01 – 1.80	0.01	5
Ozone (DPD–4)	Immediate	O3 (DPD–4) Strip	0.01 – 2.00	0.01	4
Peracetic Acid	Immediate	PA Strip	0.01 – 430	0.01(0.01–9.99), 1(10–430)	7
Permanganate (DPD–1)	Immediate	PM (DPD–1) Strip	0.01 – 5	0.01	2
pH (fresh)	Immediate	PH Strip	6.4 – 8.4 pH	0.1	0.2
pH (salt/pool)	Immediate	PH Strip	6.4 – 8.4 pH	0.1	0.2
pH-BT (fresh)	Immediate	2 Drops P-pH	5.1 – 9.2	0.1	0.2
pH-BT (marine)	Immediate	2 Drops P-pH	5.1 – 9.2	0.1	0.2
pH, Acid	Immediate	Acid PH Strip	3.2 – 6 pH	0.1	0.3
Phosphate (PO <sub>4</sub> )	120 seconds	PO4 Strip	0.03 – 4.0	0.01(0.03–2.50), 0.1(2.6–4.0)	4
Quaternary Ammonia Compound QAC	Immediate	QA Strip	2 – 80	1	6
Sulfate (SO <sub>4</sub> )	Immediate	SO4 Strip	2 – 210	1	10
Sulfide (S <sup>2-</sup> )	180 seconds	4 Drops S & S2 Strip	0.01 – 1.6	0.01	6

## Smart Data Management phone APP

The exciting new Smart Photometer System harnesses the power of smart devices and the simplicity of design to handle the heavy lifting of complex water testing. The smart phone app is designed to work seamlessly with the waterproof handheld unit with parameter information, data storage, photos and GPS tracking included.

### Photos

