

Handheld multi-parameter photometer in a robust, waterproof housing for all conditions.

## Parameters

- Disinfectants: free, total and combined chlorine, chlorine dioxide, ozone, bromine and iodine by the DPD method
- pH: photometric with phenol red
- Cyanuric acid

## Highest Accuracy

- Individual factory calibration of each photometer
- Verification of photometric accuracy with traceable absorption standards
- Use with SWAN Oxycon liquid reagents for reliable results and easy and time-saving handling

## User-friendly Operation

- User management and freely configurable sample IDs for comprehensive documentation of results
- Intuitive on-screen instructions; choice between detailed guidance and expert mode for fastest measurements
- Favorites list for quick access to methods

## Up-to-date Electronics

- Chematest App for data export and instrument configuration via Bluetooth 4.0 LE interface
- Powerful, USB-charged lithium-ion battery for approx. 5000 measurements
- Memory for 2700 data sets

## Scope of Delivery

Photometer CHEMATEST 30 in carrying case, cuvette holder with integrated sealing lid, 2x cuvette, brush for cuvettes, 6x cleaning wipe, 125 mL dropper bottle, 10 mL syringe, blister pack for 5 reagent bottles, USB charging cable, warranty card, quick start guide

## Accessory

Verification kit photometry: set of three cuvettes, zero, low and high absorbance



## Reagents

Sets for 200 determinations of disinfectants / pH:

- Oxycon Pool: free  $\text{Cl}_2$ , pH
- Oxycon Chlor: free, total and combined  $\text{Cl}_2$
- Oxycon DES: free  $\text{Cl}_2$ ,  $\text{ClO}_2$ ,  $\text{Br}_2$ ,  $\text{I}_2$
- Oxycon Ozone:  $\text{O}_3$

Set for 40 determinations of cyanuric acid:

- Oxycon CA

<b>Order numbers:</b>	<b>Chematest 30</b>	<b>A-70.065.030</b>
Accessory:	Veri-Kit Photometry, Type P	A-85.153.581
Reagents and spare parts: See <a href="http://www.swan.ch">www.swan.ch</a> for details and order numbers.		



## Photometric Specifications

Disinfectant	Measurement range / mg L <sup>-1</sup>			Limit of detection (LOD) / mg L <sup>-1</sup>
	Low	Medium	High	
Chlorine (free, total, combined)	0.00 – 2.99	3.0 – 5.9	6 – 10	0.01
Chlorine dioxide	0.00 – 5.49	5.5 – 10.9	11 – 19	0.02
Bromine	0.00 – 6.49	6.5 – 12.9	13 – 23	0.03
Iodine	0.00 – 9.99	10.0 – 19.9	20 – 35	0.05
Ozone	0.000 – 0.499	0.50 – 1.99	2.0 – 4.0	0.006
Accuracy	± (LOD + 1 %)	± 5 %	± 10 %	of reading
Parameter	Measuring range	Accuracy		
Cyanuric acid	0 – 100 mg L <sup>-1</sup>	± 2 mg L <sup>-1</sup> or ± 5 % of reading, whichever is greater		
pH (phenol red)	6.50 – 8.00	± 0.1		

## Technical Data

## Instrument

Multi-parameter photometer with LED light source  
 Graphic display with backlight: 64 x 32 mm  
 Key pad with tactile keys  
 Bluetooth 4.0 Low Energy interface  
 Memory for 2700 data sets  
 Languages: English, Chinese, Danish, French, German, Italian, Portuguese, Spanish, Swedish, Turkish.

Powered by high-capacity lithium-ion battery for 5000 measurements or 5 days standby (auto power off after 10 min without input)  
 Battery status indicator on display

## Ambient conditions operation:

0–45 °C  
 0–100 % rel. humidity  
 (non-condensing)

## Ambient conditions storage:

–20–60 °C

(Different specifications apply for reagents.)

## Degree of protection:

IP67

CE and FCC conformity

## Dimensions, weight

## Instrument:

10 x 7 x 22 cm, 390 g

## Carrying case:

40 x 10 x 38 cm, 1.7 kg  
 (including content)

