

Hand-held multiparameter photometer in robust, waterproof housing for all conditions

## CHEMATEST 30

### Water Quality Control

#### 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 Low Energy 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 glass 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 transmission: set of three cuvettes, zero, low and high absorbance



#### Reagents:

Sets for 200 determinations of disinfectants / pH:

- Oxycon Pool: free Cl<sub>2</sub>, pH
- Oxycon Chlor: free, total and combined Cl<sub>2</sub>
- Oxycon DES: free Cl<sub>2</sub>, ClO<sub>2</sub>, Br<sub>2</sub>, I<sub>2</sub>
- Oxycon Ozone: O<sub>3</sub>

Set for 40 determinations of cyanuric acid:

- Oxycon CA

<b>Order Nr.</b>	<b>CHEMATEST 30</b>	<b>A-70.065.030</b>
Accessory:	[ ] Verification kit transmission	A-85.153.580
Reagents and spare parts:	See <a href="http://www.swan.ch">www.swan.ch</a> for details and order numbers	

## Photometric Specifications

Disinfectant	Measuring 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:

Photometer with LED light source

Graphic display: 64 x 32 mm

Key pad with tactile keys

Bluetooth 4.0 Low Energy interface

Memory for 2700 data sets

Languages:

English, German, French, Spanish, Italian,  
Swedish, Danish, Portuguese

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)

Powered by high-capacity lithium-ion battery for  
5000 measurements or 1 week standby  
(auto power off after 10 min without input)

Battery status indicator on display

Charging time 3 h at standard USB type A ports