

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 Cl₂, pH
- Oxycon Chlor: free, total and combined Cl₂
- Oxycon DES: free Cl₂, ClO₂, Br₂, I₂
- Oxycon Ozone: O₃

Set for 40 determinations of cyanuric acid:

- Oxycon CA

Order Nr.	CHEMATEST 30	A-70.065.030
Accessory:	[] Verification kit transmission	A-85.153.580
Reagents and spare parts:	See www.swan.ch for details and order numbers	

Photometric Specifications

Disinfectant	Measuring range / mg L ⁻¹			Limit of detection (LOD) / mg L ⁻¹
	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 ⁻¹	± 2 mg L ⁻¹ 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, Chinese, Danish, French, German, Italian, Portuguese, Spanish, Swedish

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)