

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:

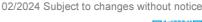
- Oxycon Pool: free Cl2, pH
- Oxycon Chlor: free, total and combined Cl2
- Oxycon DES: free Cl2, ClO2, Br2, I2
- Oxycon Ozone: O<sub>3</sub>

Set for 40 determinations of cyanuric acid:

Oxycon CA

Order numbers:	Chematest 30	A-70.065.030	
Accessory:	Veri-Kit Photometry, Type P	A-85.153.581	
Reagents and spare parts: See www.swan.ch for details and order numbers.			





## **Chematest 30**

Data sheet no. DenA70065030



# Photometric Specifications

	Measurement range / mg L <sup>-1</sup>			Limit of detection
Disinfectant	Low	Medium	High	(LOD) / mg L <sup>-1</sup>
Chlorine	0.00 - 2.99	3.0 - 5.9	6 – 10	0.01
(free, total, combined)				
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)

