

Hand-held instrument for the determination of disinfectants, dissolved iron, dissolved aluminium, pH-value and ORP/redox-potential

CHEMATEST 25

Photo- and pH-combimeter with state of the art microelectronics and clearly arranged display.

Well-devised analytical set in portable case.

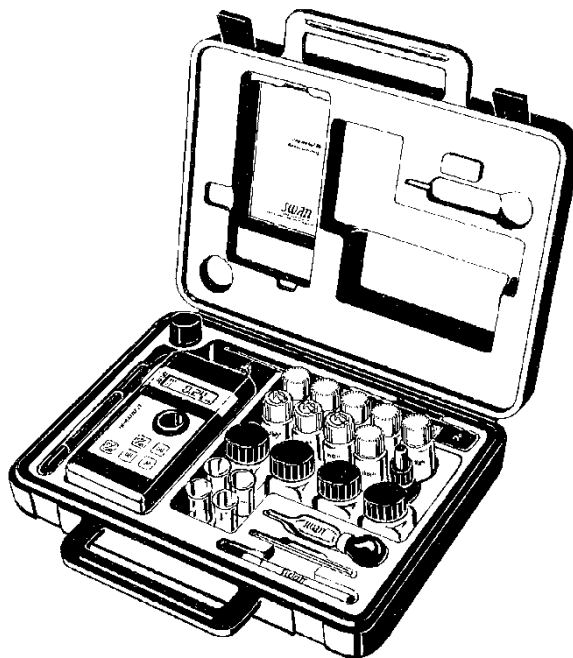
Choice between routine and expert mode.

Determination of pH-value and ORP/redox-potential by maintenance-free electrodes.

Determination of disinfectants with Oxycon reagents following the DPD method.

Determination of free and bound chlorine, chlorine dioxide, ozone, iodine, bromine, cyanuric acid, pH-value and ORP/redox-potential.

Additional determination of dissolved iron and dissolved aluminium.



Options:

- ORP/redox electrode with cable, BNC-connector.
- pH electrode with cable, BNC-connector.
- Reagent for 200 determinations of disinfectants
- Reagents for the determination of carbonate hardness
- Reagent for the determination of dissolved iron.
- Reagent for the determination of dissolved aluminium.

P.O. No.

CHEMATEST 25

A-70.065.001

Delivery includes: Combimeter CHEMATEST 25 in carrying case, electronic thermometer, 4 glass cuvettes, 1 cuvette lid, 2 glass rods, 3 sample flasks, 1 waste flask, 1 ball pipette, 1 note pad, 1 waterproof pen, 4 batteries

Instrument:

Combined photo- and pH-meter, microprocessor controlled
 Digital display
 Battery powered with economical power circuit for about 2000 determinations

Dimensions, weight:

Instrument: 10 x 20 x 4 cm
 450 g
 Carrying case: 38 x 27 x 10 cm
 2.900 kg (complete)

Specifications pH (optional):

Maintenance-free pH electrode with cable and BNC-connector
 Measuring range: 0 - 14 pH
 Resolution: 0.01 pH
 Accuracy: ± 0.01 pH
 Automatic temperature compensation
 Automatic buffer recognition
 ISO/DIN or technical buffer

Specifications temperature:

Electronic thermometer
 Measuring range: - 50 to + 170 °C
 Resolution: 1 °C
 Accuracy: ± 1 °C
 Probe: InAisi316, length 130 mm, Ø 3 mm
 Size: 142 x 29 x 15 mm
 Battery: 4 x 1.4 V
 Battery life: approx. 1000 hours

Specifications ORP/redox (optional):

Maintenance-free ORP/redox electrode with cable and BNC-connector
 Measuring range: - 400 mV to + 1500 mV
 Resolution: 1 mV
 Accuracy: ± 0.5 mV
 Automatic temperature compensation
 Automatic buffer recognition
 ISO/DIN or technical buffer

Photometric specifications:

<i>measuring range in mg/l</i>	<i>low</i>	<i>medium</i>	<i>high</i>
chlorine	0,00 - 2,49	2,5 - 4,9	5 - 10
chlorine dioxide	0,00 - 4,99	5,0 - 9,9	10 - 20
bromine	0,00 - 4,99	5,0 - 9,9	10 - 20
iodine	0,00 - 9,99	10,0 - 19,9	20 - 35
ozone	0,000 - 0,499	0,50 - 0,99	1,0 - 2,5
accuracy as % of measuring range	± 1 %	± 2,5 %	± 5 %

cyanuric acid 0 - 100 mg/l ± 10 %
dissolved iron 0,0 - 2,5 mg/l ± 1 %
dissolved aluminium 0 - 0,8 mg/l ± 5 %
 of measuring range

Repeatability better than accuracy
 Automatic range switching