

Thermoreactor AL125

For the digestion of tube tests



COD (150°C)

TOC (120°C)

Total Chromium (100°C)

Total Nitrogen (100°C)

Total Phosphate (100°C)

Chemical digestion of samples is required for the photometric determination of COD, TOC, total phosphate and total nitrogen.

The required temperatures and reaction time can be selected by using the membrane keypad of the reactor AL125. The unit works at three different temperatures (100 / 120 / 150 °C) and three pre-set reaction times (30 / 60 / 120 minutes). When digestion is complete, the reactor automatically switches off and gives a corresponding LED indication with short beep alarm.

The AL125 reactor is fitted with 24 holes for 16 mm diameter cuvettes.

Technical data AL125

Power supply 230 V / 50-60 Hz or
115 V / 50-60 Hz (switchable)

Power 550 W

Dimensions 248 x 219 x 171 mm

Weight 3.9 kg

Materials, housing ABS
Protection grid PPS
Lid PC
Block insert PBT
Heating block Aluminium

Holes in the aluminium block 24 holes,
16.2 mm ± 0.2 mm

Selectable temp. 100 / 120 / 150 °C

Probe type Pt100 A class

Temperature stability ± 1 °C at the Pt100

Selected time 30 / 60 / 120 / min.
and continuous operation (∞)

Heating up from 20°C to 150°C in 12 min.

Regulation Microprocessor

Protection against overheating at the alu block
at 190 °C

Beeper max. 88 dB (Piezo Summer)

Environmental conditions 10 – 40 °C
max. 85 % rel. humidity

Approval CE

Waste Water Set-Ups

Waste Water Set-Up AL400

Photometer AL400 with standard accessory, thermoreactor AL125, Infra-red data transmission module IRIM, tube stand, membrane filter set, instruction manual, warranty information

COD 3 - 150 mg/l and 20 - 1500 mg/l,
Ammonia 1 - 50 mg/l N,
Nitrate 1 - 30 mg/l N
Nitrite LR 0.01 - 0.3 mg/l N
Nitrogen 5 - 150 mg/l N
Phosphate 0.02 - 1 mg/l P / 0.06 - 3.5 mg/l PO₄

Waste Water Set-Up AL400 4214100

Waste Water Set-Up AL410

Photometer AL410 with standard accessory, thermoreactor AL125, **Bluetooth®** data transmission, tube stand, membrane filter set, instruction manual, warranty information

COD 0 - 150 mg/l and 20 - 1500 mg/l,
Ammonia 1 - 50 mg/l N,
Nitrate 1 - 30 mg/l N
Nitrite LR 0.01 - 0.3 mg/l N
Nitrogen 5 - 150 mg/l N
Phosphate 0.02 - 1 mg/l P / 0.06 - 3.5 mg/l PO₄

Waste Water Set-Up AL410 4214110

Reagents for waste water set-ups

COD 3-150 mg/l O ₂ (25 pc.), mercury free **	420710
(25 pc.)	420720
(150 pc.)	420725
COD 15-300 mg/l O ₂ (25 St.)	2423120-A
COD 20-1500 mg/l O ₂ (25 pc.), mercury free **	420711
(150 pc.), mercury free **	420716
(25 pc.)	420721
(150 pc.)	420726
COD 200-15000 mg/l O ₂ (25 pc.), mercury free **	420712
(25 pc.)	420722
(150 pc.)	420727
** without chloride removal	
Ammonia VARIO HR tube test	4535650
Nitrate VARIO tube test	4535580
Nitrite LR VARIO powder pack	4530980
Nitrogen VARIO Total HR tube test	4535560
Phosphate VARIO Total HR tube test	4535210

Waste Water Set-Up AL800

Spectrophotometer AL800, thermoreactor AL125, 5 round cuvettes ø 24 mm, tube stand, membrane filter set, instruction manual, warranty information

COD 3 - 150 mg/l und 20 - 1500 mg/l,
Ammonia 1 - 50 mg/l N
Nitrate 1 - 30 mg/l N
Nitrite LR 0.01 - 0.3 mg/l N
Nitrogen 5 - 150 mg/l N
Phosphate 0.02 - 1 mg/l P / 0.06 - 3.5 mg/l PO₄

Waste Water Set-Up AL800 4712100

Accessories for Waste Water Set-Ups

Set of round cuvettes with lids Height 48 mm, Ø 24 mm	197629
Membrane filter set for use when preparing samples, 25 membrane filters 0.45 µm, 2 syringes 20 ml	366150
Cuvette stand for 6 round cuvettes Ø 24 mm, acrylic glass	418951
Cuvette stand for 10 cuvettes (Ø 16 mm or □ 13,5 mm), acrylic glass	418957
Automatic pipette*, 1 - 5 ml	419076
Pipette tips*, 1 - 5 ml (white), 100 pc.	419066
Automatic pipette**, 0.1 - 1 ml	419077
Pipette tips**, 0.1 - 1 ml (white), 1000 pc.	419073

* 3 - 150 mg/l and 20 - 1500mg/l ; ** 200 - 15000 mg/l

