Thermoreactor RD 125

For the Tube test digestion of:

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 RD 125. 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 RD 125 reactor is fitted with 24 holes for 16 mm diameter vials.

With the voltage switch on the back 230 V and 115 V are selectable.

COD Reactor RD 125 Order code: 2 41 89 40

Technical data RD 125

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
CE-Conformity	

Waste Water Set-Ups

Waste Water Set-Up MaxiDirect 21 41 00
Photometer MaxiDirect with standard accessory, thermo reactor RD 125, Infra-red data transmission module IRiM, tube stand, membrane filter set, instruction manual, guarantee sheet
COD 0 - 150 mg/l and 0 - 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 PO_4

Waste Water Set-Up SpectroDirect 71 21 00
Spectrophotometer SpectroDirect, thermo reactor RD 125, 5 round vials ø 24 mm, tube stand, membrane filter set, instruction manual, guarantee sheet
COD 0 - 150 mg/l and 0 - 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 PO_4

Reagents for waste water set-ups

COD 0-150 mg/l O_2	
(25 pc.), mercury free **	2 42 07 10
(25 pc.)	2 42 07 20
(150 pc.)	2 42 07 25
CSB 0-1500 mg/l O_2	
(25 pc.), mercury free **	2 42 07 11
(150 pc.), mercury free **	2 42 07 16
(25 pc.)	2 42 07 21
(150 pc.)	2 42 07 26
CSB 0-15000 mg/l O_2	
(25 pc.), mercury free **	2 42 07 12
(25 pc.)	2 42 07 22
(150 pc.)	2 42 07 27
** without chloride removal	
Ammonia VARIO HR tube test	53 56 50
Nitrate VARIO tube test	53 55 80
Nitrite LR VARIO powder pack	53 09 80
Nitrogen VARIO Total HR tube test	53 55 60
Phosphate VARIO Total HR tube test	53 52 10

Accessories for Waste Water Set-Ups

Set of round vials with lids Height 48 mm, Ø 24 mm	19 76 29
Membrane filter set for use when preparing samples, 25 membrane filters 0.45 µm, 2 syringes 20 ml	36 61 50
Tube stand for 24 cuvettes	41 89 52
Automatic pipette*, 1 - 5 ml	41 90 76
Pipette tips*, 1 - 5 ml (white), 100 pc.	41 90 66
Automatic pipette**, 0.1 - 1 ml	41 90 77
Pipette tips**, 0,1 - 1 ml (white), 1000 pc.	41 90 73

* 0 - 150 mg/l and 0 - 1500mg/l ; ** 0 - 15000 mg/l