



### Thermoreactors for COD and Thermal Digestions

Thermoreactors, also known as dry thermostats, are necessary for carrying out chemical digestions, e.g. for COD, total nitrogen, total phosphorus. They ensure that the digestion is carried out completely, as they maintain the necessary high reaction temperature throughout the whole of the defined period. In each of the new thermoreactors the most important temperatures and digestion times used in wastewater analysis are stored in easily selected digestion programs, such as the COD digestion at 148 °C for 2 h. In addition, you can program the CR 3200 to carry out your own individual digestions at other temperatures.

### CR3200

The CR 3200 is the thermoreactor for a wide range of applications. Numerous determinations can be carried out in its 24 openings. The CR3200 also impresses with the stability and accuracy of the set temperature thanks to the well-designed heating system. The temperature can be freely selected in 1 °C steps between room temperature (25 °C) and 170 °C.

As you can enter 8 of your own temperature programs this means, for example, that you can store a similar program to the short-time COD determination (DIN 38 409 H43) with a 15 minute digestion at 148 °C as your own program.



### Specifications

### CR 3200

Power supply	230 VAC 50 Hz ±15%; 115 VAC 60 Hz ±15%
Power consumption	Max. 560 W
Safety class	I to DIN VDE 0700 part 1/11.90
Heating-up time	To 100 °C: approx. 5 min To 120 °C: approx. 7 min To 148 °C: approx. 10 min To 170 °C: approx. 12 min
Openings	24 openings for reaction cuvettes 16 mm o.d.
Reactor- temperatures	freely selectable from room temperature (25 °C) to 170 °C in 1 °C steps
Stored routine programs	148 °C for 2 h 120 °C for 30 min 120 °C for 60 min 100 °C for 60 min
Freely parameterisable programs	8, from room temperature (25 °C) 170 °C and 0-180 min
Test agent monitoring	Yes
Output –	Unidirectional RS 232 interface with 2 banana jacks for TFK CR and AK CR/P or AK CR/PC
Dimensions	B: 256 mm, H: 185 mm (closed), 290 mm (open); D: 315 mm
Weight	Approx. 3.6 kg
EMC	According to EN 61 326 class B, FCC class A
Instrument safety	EN 61010, UL 3101, CAN/CSA C22.2-1010; EN 61010-2-010, IEC-CAN/CSA C22.2-1010.2.010
Test marks	GS, cETLus, CE