

# NANOCOLOR® VARIO HC

## Heating block for fast digestions

The factor time plays a crucial role in many laboratories when conducting sample digestions. The NANOCOLOR® VARIO HC enables the user to digest all important parameters in just 30 minutes. The usually very slow cooling down of the cuvettes after digestion is greatly accelerated in the NANOCOLOR® VARIO HC by the active cooling unit. Hereby the test tubes are ready for the measurement or further analysis steps shortly after the digestion has ended.

### Simply fast

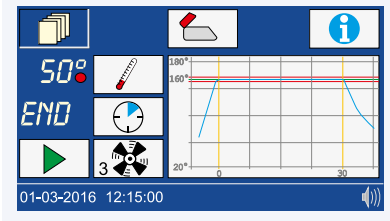
Thanks to the intelligent linkage of heating-up, digestion and cooling-down the NANOCOLOR® VARIO HC allows the performance of a COD test in less than 45 minutes. The readily prepared cuvettes are directly inserted into the cold heating block, which means an additional time saving for the user as the waiting of the heating process is omitted.

### Approved and versatile

In addition to the cooling function, the NANOCOLOR® VARIO HC comes with all features provided by our proven heating blocks NANOCOLOR® VARIO 4 and VARIO C2. Naturally, this includes the possibility of checking and calibrating the temperature with the NANOCOLOR® T-Sets, thus fulfilling the requirements of analytical quality control. The safety of the user is as important as accurate results. The protection lid of the NANOCOLOR® VARIO HC locks electronically during digestion. The operation of the heating block and the input of digestion programs are carried out via a user-friendly touch screen.

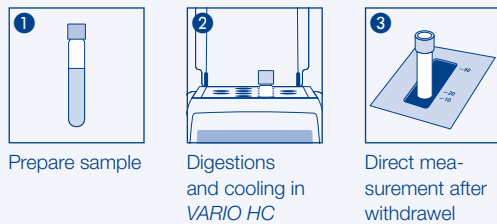
### Good to know

Both, the temperature of the cooling process as well as the ventilation speed can be individually adjusted by the user.



### How it's done

#### Heating and cooling



## Ordering information

Description	REF
■ Heating block NANOCOLOR® VARIO HC – with cooling function – 12 bores for test tubes of 16 mm OD and fan, incl. power cable, protective covering, manual, data cable, software DVD and certificate	919 330

## Technical data

NANOCOLOR® VARIO HC	
Type	Heating block for chemical-analytical digestion
Number of bores	12 of 16 mm OD
Display	Colored, backlit LCD touch screen
Operation	Icon-based menu guidance via touch screen
Temperatures	6 preprogrammed temperatures 70 °C / 100 °C / 120 °C / 148 °C / 150 °C / 160 °C 6 free memory locations for individual temperature settings
Temperature range	40 °C–160 °C (1 °C increments)
Temperature stability	± 1 °C (according to DIN-, EN-, ISO- and EPA-methods)
Warm-up time	from 20 °C to 160 °C within 10 minutes
Heating times	5 preprogrammed heating times 10 min / 30 min / 60 min / 120 min / cont. 7 free memory locations for individual heating times
Time range	0 h:01 min–9 h:59 min (increments 0 h:01 min)
Safety	Replaceable safety covers for contact protection Lockable protective lids Overheating protection
Interfaces	Bidirectional serial RS232, USB A (function) and USB B (Host)
Internal quality control (IQC)	With NANOCOLOR® T-Set (REF 919 917) and NANOCOLOR® USB T-Set (REF 919 921) Optional fully automatic calibration and test certificate generation
Languages	DE / EN / FR / ES / HU / PL / CZ / TR / DK
Update	Free via Internet and USB-stick
Operating range	10 °C–40 °C; max. 80 % relative humidity (non-condensing)
Power supply	110 V–230 V~, 50 / 60 Hz
Power consumption	150 / 550 W
Dimension	290 mm x 287 mm x 146 mm
Weight	approx. 3.2 kg
Warranty	2 years
CE	CE certified