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NANOSTAR 7.5 digital

/// Data Sheet

The overhead stirrer NANOSTAR 7.5 digital is 30 % smaller than the MICROSTAR 7.5 digital and therefore even more space-saving. However, its performance remains the same. NANOSTAR 7.5 digital convinces with perfect basic functionalities, its compact design and is with just 0,8 kg easy to handle.

Constant torque
NANOSTAR 7.5 digital guarantees a constant torque over the entire rpm range from 50 - 2.000 rpm.

Ease of operation

Operation takes place using a stable rotary knob. The display clearly shows the rotational speed.

Rapid updates
Regular software updates can be undertaken rapidly and simply via the USB interface.

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Technical Data

Stirring quantity max. per stirring position (H2O) [l]	5
Motor rating input [W]	32
Motor rating output [W]	22
Motor principle	Brushless DC
Speed display	LED
Speed min. [rpm]	50
Speed min. [rpm]	0/50
Speed max. [rpm]	2000
Viscosity max. [mPas]	4000
Output max. at stirring shaft [W]	15.7
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	7.5
Speed control	Turning knob
Setting accuracy speed [±rpm]	1
Deviation of speed measurement n > 300rpm [±%]	1
Deviation of speed measurement n < 300rpm [±rpm]	3
Stirring element fastening	chuck
Chuck range diameter [mm]	0.5 - 8.2
Hollow shaft, inner diameter [mm]	8.5
Hollow shaft (push-through - when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	13
Extension arm length [mm]	160
Nominal torque [Nm]	0.075
Timer display	none
Housing material	alu-cast coating / thermoplastic polymer
Dimensions (W x H x D) [mm]	53 x 147 x 130
Weight [kg]	0.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 54
USB interface	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	32
Power input standby [W]	0.3
DC Voltage [V=]	24
Current consumption [mA]	1300