



## General characteristics

Description	Value	Unit
<b>Dimensions</b>		
Width	785	mm
Depth	435	mm
Height	296	mm
Weight	49	kg

### Electrical characteristics

Input voltage	100-240	Vac
Input voltage net tolerance	±10	%
Input voltage frequency	50/60	Hz
Max. input current	11.8-5.4	A
Power mains supply voltage fluctuations	±10	%
Installation category	CAT II	-
Input fuse type	250VAC, 16A, time-lag	-

S.NEST® 2.0

# Spec sheet

## Operating/ storage environment

Description	Value	Unit
<b>Required ambient conditions</b>		
Min. temperature	20	°C
Max. temperature	30	°C
Min. rel. humidity (non-condensing)	20	%
Max. rel. humidity (non-condensing)	60	%
Max. altitude for operation	2,000	m
Indoor use	Yes	-
Outdoor use	No	-
Pollution degree	2	-
Minimum space between the surrounding walls and instrument	100	mm

\* Each value above is specified with one standard deviation from its mean ( $M \pm 1SD$ )

\*\* Once the reference DO (defined as 100%) has been set, the DO readout may vary between 100 +/- 10% due to the fluctuation of oxygen levels in ambient air.

Learn more: [cytena-bps.com/s-nest](https://cytena-bps.com/s-nest)

## Basic configuration

Description	Value	Unit
<b>Incubation</b>		
Temperature control range	RT+5-45±0.2	°C
CO <sub>2</sub> level control range	1-20 ± 0.3	%
Humidity monitoring range	0-100±5 (at 37°C)	%
<b>Culture</b>		
Mixing rate (24-well plate)	10-50 (±5%)	sec
Mixing rate (96-well plate)	10-50 (±5%)	sec
Working volume (24 well plate)	1,000-1,600	µl
Working volume (96-well plate)	150-200	µl
Working volume (384-well plate)	25-80	µl
<b>Sensing</b>		
DO measurement range	0-100±5**	%
pH measurement range	6-8±0.2	-
Sampling rate	≥ 10	min

### CONTACT

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