

# CPS-20, CO<sub>2</sub> Shaker

## DESCRIPTION

CO<sub>2</sub> Shaker **CPS-20** provides regulated orbital motion of the platform and is designed for use specifically in CO<sub>2</sub> incubators. CPS-20 is specifically designed for use in harsh environments such as CO<sub>2</sub> and humidity and provides reproducible results for cell culture growth. A choice of 5 interchangeable platforms provides the possibility of performing various procedures and techniques in various cultivation vessels. The specially designed remote controller allows for protection of electronics from CO<sub>2</sub> incubator environment, as well as, does not interfere with the experiment.

Shaker CPS-20 incorporates a brushless motor with a guaranteed service life up to 35,000 hours. The unit is equipped with a triple eccentric mechanism for platform motion that provides supreme balancing characteristics, superior reliability and quiet operation. Typical applications include eukaryotic cells cultivation.



## SPECIFICATIONS

|                                   |                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------|
| Speed control range               | 50 - 250* RPM (increment 10 rpm) *max. speed depends on the load and vessels' shape |
| Digital time setting              | 1 min–96 hrs / non–stop (increment 1 min)                                           |
| Digital speed control             | +                                                                                   |
| Maximum continuous operation time | 168 h                                                                               |
| Orbit                             | 20 mm                                                                               |
| Maximum load                      | 3 kg                                                                                |
| Overall dimensions (W×D×H)        | 255x255x100 mm                                                                      |
| Weight                            | 3.4 kg                                                                              |
| Input current/power consumption   | 12 V, 470 mA / 5.7 W                                                                |
| External power supply             | Input AC 100–240 V; 50/60 Hz; Output DC 12 V                                        |

## CAT. NUMBER

| Without platform | Without platform                               |
|------------------|------------------------------------------------|
| BS-010172-A01    | 230VAC 50/60Hz Euro plug                       |
| BS-010172-A02    | 100-240VAC 50/60Hz Multi plug (EU, UK, AU, US) |



**UP-12**  
BS-010108-AK  
platform

Universal platform with adjustable bars for different types of flasks, bottles, and beakers with silicone mat.



**Bio PP-4**  
BS-010116-AK  
platform

Flat platform with non-slip silicone mat for Petri dishes, culture flasks, agglutination.



**P-12/100**  
BS-010108-EK  
platform

Platform with clamps for flasks.



**P-6/250**  
BS-010108-DK  
platform

Platform with clamps for flasks.



**P-16/88**  
BS-010116-BK  
platform

Platform with spring holders for up to 88 tubes up to 30 mm diameter (e. g. 10 ml, 15 ml, 50 ml tubes).



**HB-200**  
BS-010108-FK

Additional holding bar for UP-12



**RS2**  
BS-010425-HK  
rack for CPS-20 / CTR-6  
installation

Rack for CPS-20 / CTR-6  
installation



**S-Bt Smart Biotherm**  
Software included + RS6, rack  
with 3 shelves  
Compact CO<sub>2</sub> Incubator

**S-Bt Smart Biotherm** is designed for work in the areas of cell biology (operations with animal cell cultures and tissues), molecular biology (DNA/RNA reaction analysis, hybridization reactions), biotechnology (synthesis of ...

[read more](#)