

# Digital Colony Counter



## OVER VIEW

The colony counter is an instrument that is commonly used to count colonies of bacteria or other microorganisms on a plate containing a gelled growth medium. A fully automated system would essentially consist of collecting images using any one of the digital image capturing devices such as document scanner/charge coupled device digital camera/webcam or video equipment. Colonies can be counted from pictures of plates using software tools. In automated systems, the objects and their backgrounds can be varied widely. Usually, one of the three methods of illumination can be selected to enhance visibility and increase accuracy. These are the following: transmission method, reflection method, and dark field method. The colony counter is used for microbiology applications for fast and accurate counting of bacterial and mould colonies.



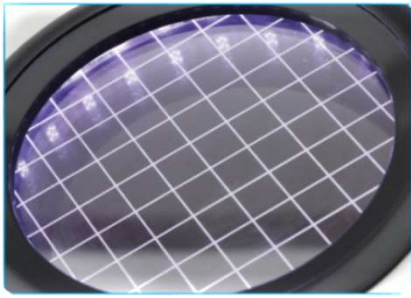
## Standard Features

- Pressure sensing counting system, suitable for any marker pen.
- Compact structure design, small space occupation, suitable for various occasions.
- LED white light adjustable brightness energy saving lighting can provide the operator with an optimal colony count field of view.
- When counting, an audible prompt confirms every count.
- Unique upper light source compensation lighting, easy to count the colonies that are difficult to be served.
- Wide voltage design, effectively avoid the interference of the unstable network power supply to the instrument.

## Magnifying glass

- Magnifying Glass for magnifying the object.
- Magnifying Glass have use of good quality glass for clear visibility.

# Detailed display



Force touch counting chamber



Switch Knob



LED display

## Technical Parameter

Lighting	Matrix LED(White light)	Matrix LED(White light)	Matrix LED(White light)
Digital display	3 digits	4 digits	5 digits
Counting range	0-999	0-9999	0-9999
Counting method	Touch pen	Touch pen	Force touch
Compatible petri dish	50-90mm	50-90mm	50-90mm
Input voltasge(frequency)	AC 100-240V(50/60Hz)	AC 100-240V(50/60Hz)	AC 100-240V(50/60Hz)
Input power	20W	20W	20W
Magnification	3-9 Times	3-9 Times	3-9 Times
Protective class	IP21	IP21	IP21
Permissble ambient temperature	80%	80%	80%
Permissible relative moisture	5-50°C	5-50°C	5-50°C
Dimensions	255×210×160mm	360×300×180mm	255×210×160mm
Net Weight	2.2kg	4.0kg	2.8kg

## Applications of Colony Counters

Colony counters are used in various research laboratories, including

- Life sciences, cell and molecular biology
- Pharmaceutical research
- Environmental testing
- Academic laboratories, and more.



**BIOGENIX SYSTEMS PRIVATE LIMITED**

S-10, Pankaj Central Plaza, Pocket-5, Sector-12, Dwarka, New Delhi-110075, INDIA

Email: [sales@biogenixsystems.com](mailto:sales@biogenixsystems.com) |

Phone: +91-11-43738899 | 9990251155-99 | 9911717057

Website: [www.biogenixsystems.com](http://www.biogenixsystems.com)

Dealer Details

[info@biogenixsystems.com](mailto:info@biogenixsystems.com)  
[www.biogenixsystems.com](http://www.biogenixsystems.com)