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COLONY COUNTER



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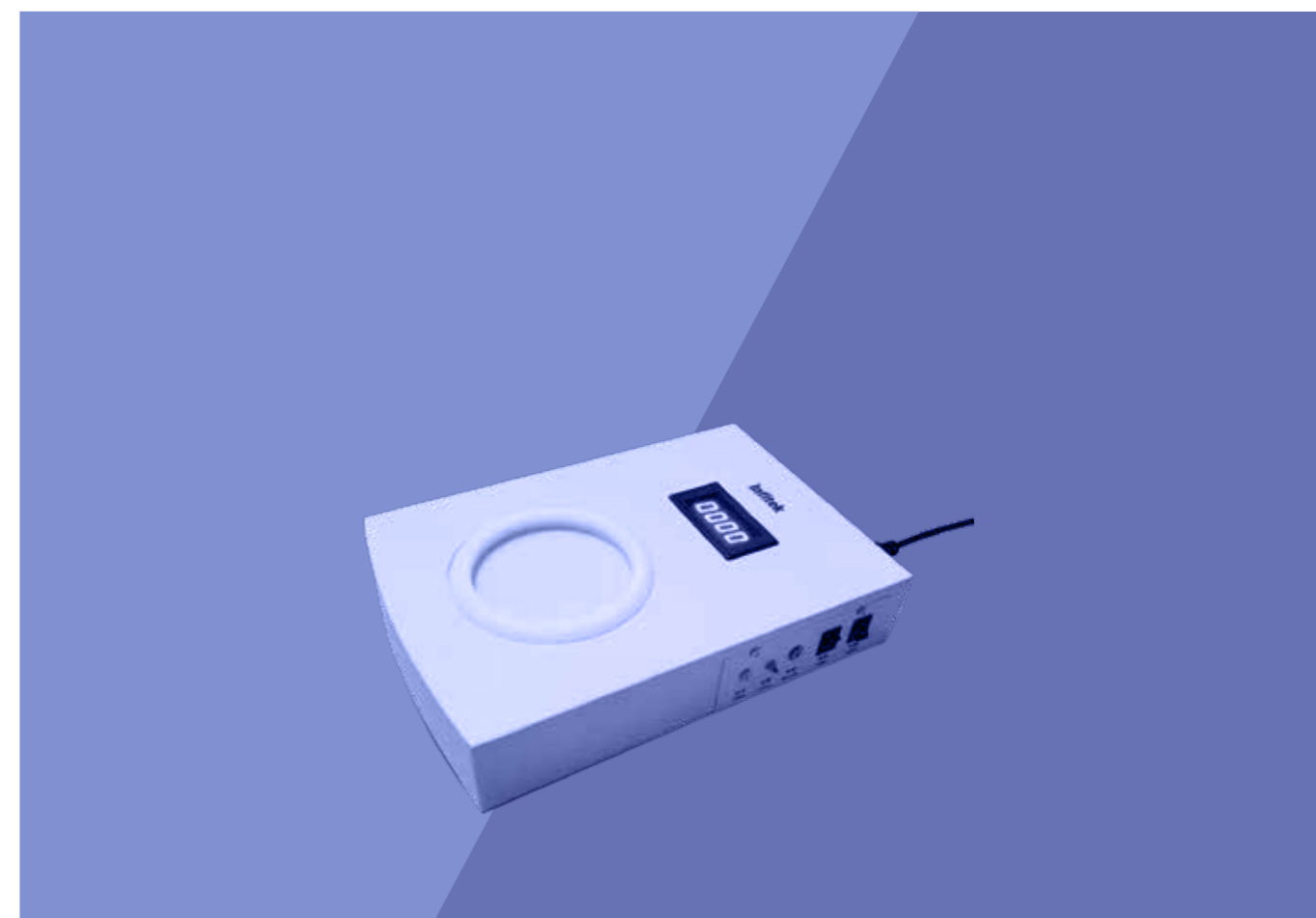
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Colony Counter

CM-M1



- Observe carefully whether the connection between the data line and the host interface is correct.
- Do not use computer to run game software, do not install pirated software, because these software often contains viruses, it is not easy to completely eliminate.
- Do not open the chassis, because the human body has static electricity, it is likely to cause damage to expensive circuit boards in the machine.
- Do not disassemble the instrument chassis at will. The total power supply should be switched off immediately after use, which can effectively prolong the life of the machine.
- White light is easy to be damaged. After use, it should be wiped clean to avoid knocking and collision.
- When moving the machine, we must cut off all the power supply and do not plug any connectors with electricity.

System Configuration

Colony counting system is mainly composed of four parts:

- (1) Colony Counting Instrument Host
- (2) Data Connection Cable
- (3) Probing into the Pen
- (4) Composition of high-quality computers and printers (optional parts).
- (5) Software Suite

Note: Customers can match their own computers and printers according to their needs.

- Colony statistics instrument is widely used in food and beverage quality and hygiene inspection, water quality analysis, milk and dairy products detection, hospital clinical inspection, cosmetics inspection and drug quality and quality inspection, etc. It is suitable for microbial colony counting and calculation, antibiotic antimicrobial test and strain screening, etc. It is an advanced and efficient colony meter in modern microbial testing laboratory. Counting device.

Technical Indicators

Model	CM-M1
Petri dish diameter	standard 90mm and 55mm
Detection mode	automatic combined with manual
Typical counting time	3-6 seconds (spiral inoculation Petri dish)
Counting quantity	more than 400 plates per hour
Detection limit	0.2-255mm, +0.1mm
Colony resolution	<0.2mm
Light source	LED
Illumination mode	top projection light, bottom reflection light source
Data Interface	USB2.0/232


Analysis software features


Model	CM-M1
Higher accuracy	0.2mm they can be used in food hygiene inspection, water quality analysis, milk and dairy products testing, cosmetics testing, drug quality testing, medical clinical testing and so on.
More types of dishes	They are suitable for counting and calculating bacterial colonies of microorganisms.
Efficient operation	All operations are fast. Users only need to open the computer and change the Petri dishes, and so on.
Typical counting time	Fast algorithm makes the typical counting time less than 1 second (200 colonies were detected).
Resolution	For standard 90 mm dishes, the smallest distinguishable colony diameter can reach 0.2 mm.
Analysable parameters	quantitative analysis of the number of colonies satisfying the statistical conditions of size and color, average, maximum and minimum of colonies in Petri dishes.
Counting methods	automatic counting, area selection counting, manual addition of missing points and deletion of redundant points, histogram display size distribution information.
Output of results	Various parameters can be displayed, printed and saved for each dish. It provides data output format compatible with Microsoft Excel, and can use data analysis software such as Excel to meet more data analysis. The data printing format can be modified immediately according to the needs of different industries.
Remote data transmission	Through the Internet or the local area network in the laboratory, image data and record results in the database can also be transmitted and managed remotely, which facilitates data sharing and paperless office needs.

Colony Counter

CM-M2



 The character is 13mm high and very distinct and bright.

 The special probe counts sensitively and accurately

Introduction



CM-M2's colony counter is the automatic bacteria inspection instrument of one kind of digital display type .



It is composed by counter, probe, and count pond etc.



It is designed by CMOS integrated circuit and LED's digital shows.

- ◆ The comparison between bacterium illuminated by fluorescent lamp shows clearly and also is easy to be observed in black count pond .
- ◆ This instrument can lighten the labor intensity and make the work with great efficiency , and is extensively used in the foodstuff , drink , drug , biological product , cosmetics , hygienic articles , drinking water , life foul water , industry waste water and clinical specimen inspection of bacteria number.
- ◆ It is also the necessity of these unit below: grand epidemic prevention stations at all levels and the hygienic control inspection of environmental monitoring station,foodstuff the place, hospital , biological product institution, and the medicine inspection station, the business bureau , food products factory , drink factory , cosmetics factory , junior college and the scientific research unit laboratory .

Technology parameter

Model	CM-M2
Counter capacity	0 ~s 9999 (note *)
Active display window character height	13mm
Lamp power	16W
Total power are smaller than	20W
Supply voltage	220V 50Hz/60HZ.
The magnification of magnifier connected with flectional arm	variable
The instrument weights	1.7Kg
Volume	255 * 180 * 110.

Use method

Put the culture dish on the white- light board , then open fluorecent lamp, using probe by touching the dish to count . The number will display in LED screen;Write the displayed number on the paper and turn off the electrical source quickly, seeing the number return to zero from LED screen. Comparing the second count with the first one, the same numbers can prove to be a accurate result. (note) According to the bacteria count inspection procedure , when the bacteria growth number is more than 300 in the culture dish , the sample should be diluted to count again. ,so this instrument is ternary scale

- ◆ Special power supplyYalien mechanical or electrical technology institution in Beking

Colony Counter

CC-N50

Features



CC-N50 colony counter is a digital display automatic bacteria testing instrument.



It consists of counter, probe, counting chamber and other parts.

The counter is carefully designed with CMOS integrated circuit, LED digital tube display, the character height is 13mm, clear and bright; It cooperates with a special probe, and the counting is sensitive and accurate.

In the counting chamber with black background, the fluorescent light is illuminated, and the colony contrast is clear, which is easy to observe.



This instrument can reduce the labor intensity of laboratory personnel, improve work efficiency, and improve work quality.

It is widely used in food, beverage, medicine, biological product, cosmetic, sanitary product, drinking water, domestic sewage, industrial wastewater, and bacterial counts in clinical sample. It is a necessary instrument for epidemic prevention stations, environmental monitoring stations, food hygiene supervision and inspection institutes, hospitals, biological products institutes, drug inspection institutes, commodity inspection bureaus, food factories, beverage factories, cosmetics factories, daily chemical factories at all levels, as well as laboratories of colleges, universities and scientific research institutions.

Use method

- Put the culture dish on the white-light board, turn on the white light light, using probe by touching the dish to count, and the LED display will display the counted number;
- After the counting is completed, the counting pen can be used to temporarily record the total number on the manuscript paper, and then quickly turn off the power again, seeing the number return to zero from the LED screen.
- Comparing the second count with the previous total on the manuscript paper, the same number can get a more accurate result.

(Note)According to the bacteria count inspection regulation, when the number of bacteria in a petri dish exceeds 300, the test sample should be diluted and redone to ensure the accuracy of the count. Therefore, the instrument counts as three digits.

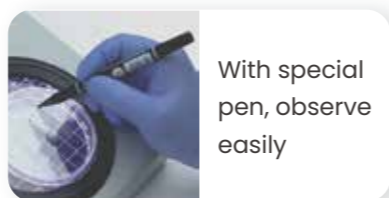
Specification

Model	CC-N50/(Voice reading function)
Counter capacity	0 ~ 999 (Note*)
Illuminated display window height	13mm
Light source lamp efficacy	16W
Total power consumption	less than 20W
Power supply voltage	220V, 50Hz; Volume: 255 X 180 X 110;
The magnification of the magnifying glass	variable, and the bendable arm is connected with the magnifying glass
Weight	1.7Kg
Voice	Voice counting function (Type A)

Colony Counter

CC-J2

Selling point



Variable magnification

Features



- Reasonable design which can give a visible colony comparing.
- Easy to observe, couple with special pen.
- It will be ring when count and ensure the accuracy of the testing.
- Magnification is variable.

Description

- This instrument is consists of counter, sensor, counting cell etc, applying to Petri dish from $\Phi 50$ – $\Phi 100$ mm. It is a necessary instrument for all levels o health and epidemic prevention stations.

Specification

Model	CC-J2
Digital display	3-digit LED display
Electricity	AC 100-240V (50/60Hz)
Power consumption of lamp	16W
Total power consumption	20W
Capacity of the Counter	0~999
Diameter of the counting plate	$\Phi 115$ mm
Dimension	255*210* 160mm
Magnification	3 times (9 times)

Colony Counter

CC-J3 CC-J3A

Description

- This Bacteria Colony Counter is made of CMOS integrated electric, applying to Petri dish from $\Phi 50$ - $\Phi 150$ mm, is a digital displayer for counting the germs.



Selling point

Large capacity from 0 to 999



Easy to compare bacteria with 3x magnification



Counting correctly with sensor and indicator

Return back to "0" automatically with button

Features



Capacity of the counter is from 0 to 999.



This instrument supply with special pen, enhance the efficiency of the counter.



The button return back to "0" automatically.



The magnifier can be adjusted to perfect position with flexible arm.



When error in counter, push the "-" and "+", and the counter will be less or add.



The magnification up to 3x, it's easy to compare bacteria.



With sensor, it's sensitive, incl sound indicator, to ensure the counting is correct.

Specification

Model	CC-J3	CC-J3A
Digital display	3-digit LED display	4-digit LED display
Electricity	AC 100-240V (50/60Hz)	
Power consumption of lamp	50W	
Capacity of the Counter	0~999 or 0~9999	
Diameter of the counting plate	Ø155mm	
Dimension	360*300* 180mm	
Magnification	3 times (9 times)	

Colony Counter

CC-QS1



Use method

- Put the culture dish on the white-light board, turn on the white light light, using probe by touching the dish to count, and the LED display will display the counted number; After the counting is completed, the counting pen can be used to temporarily record the total number on the manuscript paper, and then quickly turn off the power again, seeing the number return to zero from the LED screen.- Comparing the second count with the previous total on the manuscript paper, the same number can get a more accurate result.



Description

Overview

- CC-QS1 colony counter is a digital display automatic bacteria testing instrument. It consists of a counter, probe, counting chamber, and other parts. The counter is carefully designed with a CMOS integrated circuit, LED digital tube display, the character height is 13mm, clear and bright; It cooperates with a special probe, and the counting is sensitive and accurate. In the counting chamber with a black background, the fluorescent light is illuminated, and the colony contrast is clear, which is easy to observe. This instrument can reduce the labor intensity of laboratory personnel, improve work efficiency, and improve work quality. It is widely used in food, beverage, medicine, biological product, cosmetics, sanitary product, drinking water, domestic sewage, industrial wastewater, and bacterial counts in a clinical samples. It is a necessary instrument for epidemic prevention stations, environmental monitoring stations, food hygiene supervision and inspection institutes, hospitals, biological products institutes, drug inspection institutes, commodity inspection bureaus, food factories, beverage factories, cosmetics factories, daily chemical factories at all levels, as well as laboratories of colleges, universities and scientific research institutions.






Technology parameter

Model	CC-QS1
Counter capacity	0 ~ 999 (Note*)
Illuminated display window height	13mm
Diameter of petri dish	50cm-90cm
Light source lamp efficacy	16W; Total power consumption is less than 20W
Power supply voltage	Power supply voltage
Inductive pressure counting system	
Weight	1.5Kg
	magnifying glass observation
Optional light and dark background, no glare backlight	A USB 2.0 interface can be added to measure the maximum value, minimum value, average value and other parameters of the data.

Colony Counter

CC-J2S



-  LED display cumulative number
-  Reset button for zero and recount
-  LED long-life lamp, low heat and no wearing parts
-  Unique upper light source compensation lighting
-  Intuitive counting with tactile pressure beeps

Specification

Model	CC-J2S
Lighting	White LED array
Digital display	3-digit LED display
Counting range	0-999
Counting method	Pressure sensitive
Applicable petri dish	Φ50 Φ55 Φ60 Φ70 Φ90
Electricity	AC 100-240V (50/60Hz), 20W
Magnification	3 times / 9 times
Protection class	IP21
Relative humidity	80%
Ambient temperature	5-50°C
Dimensions	255*210*160mm
Loupe size	Φ90mm / Φ20mm
Net weight	2.8Kg



CC-J2S is a high-tech colony counter, known for its user-friendly functions and excellent ergonomics. It can accurately count all the culture media (culture dishes, filters) used in microbiology.

Features

- The touch sensitivity of the pressure sensor can be adjusted to adapt to different culture vessels and user habits.
- With the function of manually increasing or decreasing the counting button, the repeated counting or missing counting can be corrected during operation.
- The internal LED lighting system is glare-free and the luminosity is adjustable, which makes the colony form a sharp contrast view to adapt to the difficult-to-observe microorganisms in the culture container.
- The grid size is moderate, which is convenient for accurate counting by blocks.
- The large frameless magnifier (which can achieve magnification of 3 times or 9 times of observation and counting) and the unique upper light source compensation illumination make the microbial appear completely and the counting operation to be much easier.
- Thoughtful design of the rightness and sensitivity adjustment knob for easy operation.
- It can be increased or decreased manually.

Colony counter

CM-M2P



Use method

- Put the culture dish on the white- light board , then open fluorescent lamp, using probe by touching the dish to count . The number will display in LED screen;
- Write the displayed number on the paper and turn off the electrical source quickly ,
- Seeing the number return to zero from LED screen. Comparing the second count with the first one, the same numbers can prove to be a accurate result.
- (Note) According to the bacteria count inspection procedure , when the bacteria growth number is more than 300 in the culture dish , the sample should be diluted to count again. ,so this instrument is ternary scale
- Special power supplyYa

Description

- CM-M2P colony counter is the automatic bacteria inspection instrument of one kind of digital display type . It is composed by counter, probe, and count pond etc. It is designed by CMOS integrated circuit and LED's digital shows.The character is 13mm high and very distinct and bright. The special probe counts sensitively and accurately . The comparison between bacterium illuminated by fluorescent lamp shows clearly and also is easy to be observed in black count pond . This instrument can lighten the labor intensity and make the work with great efficiency , and is extensively used in the foodstuff , drink , drug , biological product , cosmetics , hygienic articles , drinking water , life foul water , industry waste water and clinical specimen inspection of bacteria number.It is also the necessity of these unit below: grand epidemic prevention stations at all levels and the hygienic control inspection of environmental monitoring station,foodstuff the place, hospital , biological product institution, and the medicine inspection station, the business bureau , food products factory , drink factory , cosmetics factory , junior college and the scientific research unit laboratory .

Technology parameter

Model	CM-M2P
Counter capacity	0 ~'s 9999 (note *)
Active display window character height	13mm
Lamp power	16W
Total power are smaller than	20W
Supply voltage	220V 50Hz/60HZ.
The magnification of magnifier connected	Flectional arm are variable ,
The instrument weights	1.7Kg
Type CM-M2P	Function of phonetic count .
Volume	255 * 180 * 110.