



Digital Colony Counter LB-20CC

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1. Safety Measures

- Far from the humidity, severe shock, strong sunshine, acids, and alkali.
- A dust cover is necessary.
- The instrument and the sensor should not be dismantled at random.
- If trouble occurs, make sure to ask an experienced technician for repair.

2. Introduction

Digital Colony Counter LB-20CC is a tabletop counting unit with a lamp power of 16 W. The Large diameter of the counting plate ensures fast and reliable counting. Features three-digit microbes counting capacity with LED light source for accurate counting.

3. Features

1. Digital counting unit
2. LED light source for easy viewing of colonies
3. Counting plate diameter - $\Phi 115$ mm
4. Counting capacity - upto three digit

4. Specifications

Model No.	LB-20CC
Lamp power	16 W
Display digit	LED (0 to 999)
Dish diameter	$\Phi 115$ mm
Light source	LED
Total power consumption	20 W
Power	AC 220 V, 50 Hz
Dimensions	255 x 210 x 160 mm
Weight	4 kgs

5. Applications

Used in healthcare, life science, molecular biology, pharmaceutical, clinical and research laboratories, and microbiology, to estimate colonies of bacteria or other microorganisms on agar, slide, gel or petri dish.

6. Installation

- The instrument should be put on a fixed and stable operation table with a smooth face.
- When counting the colony, the sensor should not be overleaned with a slight touch to asense of elasticity, the number is input.

7. Operations

- 1) Connect the power and open the lamp in the counting cell when the monitor shows "001", insert the sensor, and push the **"reset"** key.
- 2) Put the sample into the culture plate.
- 3) Press the red button on the machine side to open the light under the counter plate.
- 4) Users can also adjust suitable brightness by screwing the side knob.
- 5) If the brightness of the underlight is not enough for observation, just press the button beside the magnifier to open the upper light (Double LED lamp with four 11.6mm button cells supplying power, standard configuration).
- 6) Pull out the insulating plastic strip when using the upper light for the first time.
- 7) Count the colony in the plate with the sensor one by one.
- 8) Currently, the colony is colored, and the buzzer sounds which means the counting is ok.
- 9) On the monitor, the numbers are added automatically.
- 10) Check with a magnifier to ensure the counting is correct. (If an error happens when counting by the touching pen, continue the counting by pressing Δ or ∇)
- 11) The last number on the monitor is the colony on the plate.
- 12) After the operation, take out the culture plate.
- 13) Push the **"reset"** key and the monitor returns to its original state.



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