

LA663

# HANDHELD DIGITAL COLONY COUNTER™

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route  
to  
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## Introduction

Followed in various microbiology laboratories, a major tedious task that requires attention on microbiological aspects is to simplify enumeration of bacteria colony number. Counting colonies using traditional manual methods are tiresome where probability of human error are very high requiring high levels of concentration. For these purposes colony counter instrument provide an alternative, simplified and accurate solution. A colony counter is an instrument used to count colonies of bacteria or other microorganisms growing on an agar plate. HiMedia's Handheld Digital Colony Counter (LA663) allows the user to quickly and accurately enumerate bacterial and fungal colonies. These counters are lighted surfaces on which the plates are placed, with the colonies marked off with a built-in marker pen on the surface of the petri plate while the 6 digits LCD counter registers and memorizes the count. The count is retained in the memory even if the pen is switched off. Simplification of the process and acquiring the bacterial count accurately and consistently is thus made possible.

## Features

- Hand held portable
- Low power consumption
- Light weight and compact in size and shape.
- Micro controller based 6 digit [999999] LCD counter
- Built in buzzer, marker pen, and counters.
- Memorizes last count

## Contents

- The instrument
- Kit content :
  - a) Adaptor
  - b) 6 digit Marker pen
  - c) Marker pen set (9nos)
- Warranty certificate
- Instruction manual

## Operating condition

Colony Counter will operate under most normal conditions, but should not be exposed to moisture or extreme variations in temperature.

## Connecting accessories

1. Place the colony counter on the flat surface.
2. Twirl the projections clockwise provided at the bottom end of the instrument to make the working surface inclined.
3. Plug the adaptor to AC mains (220 230 V AC), with another end inserted in the input socket
4. Switch ON the mains, the platform will be illuminated
5. Switch on the marker pen ON/OFF button; press reset if the display is showing previous memorized count.

## Operating Procedure

1. Place the Petri plate on the illuminated Glass grid plat form.
2. Remove the cap of the Pen and press firmly keeping the Pen straight/vertical on the Petri Dish where a Bacteriological Colony is located.
3. The Counter will register and memorise a count, there will be a beep and an ink dot will be marked on the Petri Dish. Continue till all the colonies are thus counted.
4. As a colony is marked with ink while it is being counted, missing a count or double counting is avoided. When the counting is completed, note the reading on the 6-digit LCD counter.

Note: Recap the marker pen when not in use.

## Re filling the marker pen

Unscrew the body of the pen and remove the marker pen from inside. Gently pull, out the marker pen and discard it

## Material Specifications

Material : SS 304

Pen : Aluminum



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