

## DBK- DIGITAL COLONY COUNTER

### INTRODUCTION

DBK - COLONY COUNTER is ideal for rapid, accurate counting and recording of bacteria and mould colonies in biology, zoology, bacteriology, pathology laboratories, etc. or any place where colony counting is a regular routine. Colony Counter is illuminated with fluorescent lamp for uniform cool-light illumination and is provided with a magnifying glass for ease of viewing. Special pen type probe allows marking with an audio beep and counting simultaneously. Counting is registered on 4 digit re-settable digital counter.

### SPECIFICATION

Display	: 4 Digit Red LED 7 Segment display of 12mm Ht.
Probe	: Auto Marker Pen Probe for marking and counting simultaneously with Audio beep.
Grid	: Wolffhuegel Grid plate simplifies tedious counting procedure.
Illumination	: Uniform Glare free illumination by fluorescent tube light against dark background.
Magnifier	: 100 mm Dia . Magnifying Lens.
Power Supply	: 230V, 50 Hz AC.
Dimension	: 250mm L x 310mm W x 130mm H.
Weight	: 4.2 Kg. approx.

### FRONT PANEL

COUNTER	: Re-settable, 4 Digits (9999 Counts Maximum).
MAINS SWITCH	: To switch ON and OFF the instrument and to Illuminate Wolffhuegel Grid..
RESET SWITCH	: To RESET the counter to 0000.
PROBE	: To connect Auto Marker pen for marking and counting simultaneously.

### OPERATION

Place the instrument on clean and flat surface near a power point. Connect the DBK unit to 230V Mains power supply. Keep the petri-dish on the Wolffhuegel glass. Connect & press plug of the Auto Marker Pen to the probe socket provided.

Switch ON the MAINS . The Colony Counter will switch ON & will illuminate Wolffhuegel glass.

RESET Switch is provided to reset the counter to 0000.

Press & hold RESET switch for 2-3 sec to reset it to 0000.

To mark the colonies **press** the tip of the Auto Marker Pen against the Petri-dish just above that colony. The marking ensures colonies already counted & beep indicates that the count has been made. ( Ensure that the tip should not get damaged. )

Magnifier is provided for accurate counting of small or closely spaced colonies without straining the eye.

COUNTER DISPLAY Indicates number of colonies counted.

Press & hold RESET switch for 2-3 sec to reset it to 0000.

Switch OFF the Counter when not in use.