



COLONY COUNTER MODEL : CC 100 INSTRUCTION MANUAL



1. Introduction

The most time-consuming part of carrying out a microbial count is the actual counting process on petri dishes. Colony counters facilitate this task and as a result are essential in every bacteriological laboratory. Their particular advantages are the easy, rapid and reliable counting of bacterial colonies with very simple handling.

SANSEL colony counter Model CC 100 is easy to use and allows fatigue-free and safe work thanks to its problem-free counting mechanism: Marking the colonies on the petri dish with the marker pen activates the counter.

2. Features

- ✍ 4 digit 7 segment LED
- ✍ Long Life Electronic Pen
- ✍ 110 mm Dia Magnifying Glass
- ✍ Audible Buzzer Indication for Each Count
- ✍ Uniform Glare free illumination
- ✍ Wolffhugel Glass Grid with Focusing Facility
- ✍ x 1.7 Surface Magnification
- ✍ 230V AC Operating Supply

3. Technical Specifications

Model	CC 100
Range	0 to 9999 counts
Input	Count Pulse for Electronic Marker Pen
Resolution	1 count
Disk Diameter	110 mm
Display	0.5" 4 Digit 7 segment Red LED
Magnification	x1.7 Surface
Count Reset	Push Button Provided on front panel
Input connection	2 Pin Female Socket
Operating Environment	0 to 50 °C / 20 to 95 % RH non condensing
Power supply	230V AC / 50 Hz $\pm$ 10%
Overall Dimension in mm	270 x 220 x 160 (L x B x H)
Instrument Weight	2.5 kg(Approx.)

Note: Due to continuous product improvements, Published specifications may change with out notice

3A. Standard Delivery

1. Basic Instrument
2. Magnifier
3. Magnifier stand set
4. Electronic Marker Pen
5. Instruction manual

4. Installation

1. Unpack the counter and put it on the desired place.
2. Check the fuse socket for correct electric capacity (230V) on mains 5A socket & connect .
3. Insert the adjustable stand with magnifier lens into the given female thread at the upper left side of the CC 100.
4. Connect the Electronic marker pen to the given input socket on right side top of CC 100.
5. Insert the power plug into the electric power supply.

5. Operation

1. Turn on the electric power to CC 100.
2. Place the petri dish on the glass surface of the counter by adjusting the dish holder.
3. Adjust the focusing stand of magnifier lens to the desired angle.
4. Begin counting by touching the petri dish with the help of Electronic marking pen.
5. Use Reset Push button switch to reset the total counts(if needed).

6. Maintenance and cleaning

1. Turn off the electric power supply
2. Wipe with wet cloths or with some soft detergent if needed.

7. Fault Finding Guide

The following table may be useful in correcting malfunctions and avoiding simple pitfalls.

CAUSE	REMEDY
A.C Supply is not present.	Check A.C supply
Fuse at the back open circuit	Replace fuse (100mA)
DISPLAY FLICKERING	
Poor earthing	Connect on efficient earth
Noise interference through the electricity supply from switching devices etc. RF radiation's from similar devices	Eliminate cause of disturbance or remove the instrument and place it in another location or connect to a different circuit.

If still the fault exists please contact our Customer support - +91 72999 72092 (or) refer to the nearest distributor for Repairs by the engineer of the company.

Note: Do Not play with the internal parts of the Instrument. Guarantee Stands Only if the seal of these parts is intact.

8. Warranty

The instrument is warranted for a period of 12 Months from the date of delivery against defects in materials or workman ship other than the electrodes. During warranty, our liability is limited to the repair or replacement of the instrument at our opinion. Data subject to change without notice.

MANUFACTURER OF :

CALIBRATORS: LOW TEMPERATURE BATH, SUB ZERO CALIBRATOR, LIQUID CALIBRATION BATH, DRY BLOCK TEMPERATURE CALIBRATOR, HIGH TEMPERATURE DRY BLOCK CALIBRATOR , PORTABLE BLACK BODY SOURCE, HIGH TEMPERATURE BLACK BODY SOURCE, PRESSURE CALIBRATOR(-0.95bar to 700bar) IN DIFFERENT RANGES, PRECISION HUMIDITY / TEMPERATURE CALIBRATION SYSTEM, SEMI STANDARD PLATINUM RESISTANCE, MASTER THERMOCOUPLE, etc.,

LIQUID ANALYZING INSTRUMENTS: ONLINE LIQUID ANALYZER, pH METER, μ P BASED pH / ORP / TEMPERATURE METER, CONDUCTIVITY METER, TDS METER, DIGITAL NEPHELOMETER, COLONY COUNTER, SPECTRO PHOTO METER, ONLINE pH/ORP/TEMPERATURE CONTROLLER, ONLINE pH INDICATOR, ONLINE TDS (OR) CONDUCTIVITY INDICATOR, RO CONTROLLER etc.,

PROCESS CONTROL INSTRUMENTS: 5½ DIGIT PROCESS INDICATOR, AUTOCLAVE CONTROLLERS, ENVIRONMENTAL MONITORING SYSTEM & CONTROLLER, UNIVERSAL DATA LOGGER, TEMPERATURE DATA LOGGER, HUMIDITY TEMPERATURE DATALOGGER WITH SENSOR, HUMIDITY & TEMPERATURE INDICATOR WITH SENSOR, ULTRASONIC LEVEL INDICATORS/TRANSMITTERS (non-contact Level Measurement), WATER FLOW METER, TEMPERATURE CONTROLLER, DIGITAL TIMER, SIMPLE COUNTER /SET POINT COUNTER, RPM INDICATOR,RATE /RPM / FREQUENCY, INDICATOR & CONTROLLER, JUMBO DISPLAY, DC DRIVES, SINGLE / 3 PHASE THYRISTOR POWER REGULATOR etc.,

SENSORS: TEMPERATURE SENSORS, HUMIDITY SENSORS, PRESSURE SENSORS, LEVEL SENSORS, pH SENSORS, ORP SENSORS, CONDUCTIVITY SENSORS, TDS SENSORS, PROXIMITY SENSORS, FLOW SENSORS etc.,

9. Contact us

SANSEL INSTRUMENTS AND CONTROLS

**No.1/46, GANGA NAGAR, MMDA COLONY, MADURAVOYAL,
NEAR METTUKUPPAM, CHENNAI - 600 095, TN**

PH : 91 44 23783951 / 41 CELL : 7299972091

EMAIL : enquiry@sansel.net, info@sansel.net website : www.sansel.net