



(An ISO 9001:2008 Certified Company)

Photo Colorimeter

An Ideal Clinical Instrument for Blood & Chemical Analysis

- ❖ Highly stable & Accurate
- ❖ 1ml. Sample Volume
- ❖ Range from 400 to 700 nm
- ❖ High Standard Glass Filters
- ❖ Battery/Mains Operated
- ❖ Colorimeters are also available
- ❖ Digital & Analog Models



VSI-08/09



VSI-10/11



VSI-CC2

Digital Colony Counter

An Accurate & Easy to use Instrument for Counting of Bacterial & Mould Colonies in Petridishes.

- ❖ 110mm. dia Magnifying Glass
- ❖ Uniform Glare Free illumination
- ❖ Digital Readout from 0-9999
- ❖ Audible Confirmation of each Count
- ❖ Wolffhugel Glass Grid with focussing facility
- ❖ Auto marker Pen

VSI Electronics Pvt. Ltd.

PHOTO COLORIMETER

The VSI make Photo Colorimeters are the finest colorimeters that combine convenience in operation with high precision and accuracy in analysis. Various models of colorimeters are available to suit one's requirements. High standard glass filters covering complete visible range of 400-700nm. are mounted on a rotating disc. Highly sensitive photo sensor and use of latest IC technology make the instruments highly rugged, accurate and economical in maintenance. A minimum sample volume of 1ml. is required to carry out the analysis. Provision has been made to switch-on the lamp source only when required, thereby increasing the life of the photo diode. The instruments are extremely useful for quantitative estimation of several chemical substances including blood chemistries in chemical/clinical laboratories, pharmaceutical industries, medicine plants, water treatment plants, agriculture universities etc.

TECHNICAL SPECIFICATIONS

INSTRUMENT MODEL #	PHOTO COLORIMETER VSI-08 & VSI-09 (DIGITAL MODELS)	PHOTO COLORIMETER VSI-10 & VSI-11 (ANALOG MODELS)
RANGE	400 nm to 700 nm	400 nm to 700 nm
DISPLAY	2½ digit LED	Rectangular Ammeter
OUTPUT	O.D. : 0 to 1.99	O.D. : 0 to 1.99 %T : 0 to 100%
RESOLUTION	O.D. : 0.01	O.D. : 0.01 %T : 1%
ACCURACY	0.5% F.S. ± 1 Digit	1% F.S.
HIGH STANDARD GLASS FILTERS	8 Filters in VSI-08 5 Filters in VSI-09	8 Filters in VSI-10 5 Filters in VSI-11
DETECTOR	Photo diode	Photo diode
LIGHT SOURCE	6.8V, 250mA Lamp	6.8V, 250mA Lamp
SHUTTER	Transmission ON/OFF Switch	Transmission ON/OFF Switch
MINIMUM VOLUME	1 ml.	1 ml.
POWER SUPPLY	230 V ± 10%, 50 Hz AC	230 V ± 10%, 50 Hz AC
FILTER PEAK TRANSMISSION	8 Filters : 400 430 480 500 520 540 630 670 nm. 5 Filters : 430 480 540 630 670 nm.	
STANDARD ACCESSORIES	Test Tubes 5 Nos., Spare Lamp and Instruction Manual.	

DIGITAL COLONY COUNTERS

DIGITAL COLONY COUNTER (Model No. VSI-CC1 and VSI-CC2) is designed for quick and accurate counting of bacterial and mould colonies in petri dishes. Feature packed and easy to use, this is an indispensable bench top tool for the busy microbiologist. It is designed for rapid and accurate counting of bacterial and mould colonies. Simply place the petri dish on the illuminated pad and touch the dish with the pen provided to mark each colony in turn. This causes a count to be registered on the digital display and an audible tone confirms each count made. Marking the dish with the pen avoids missing colonies or double counting. The digital count on the display can be reset manually any time by pressing the RESET key provided. Optimum viewing of colonies is aided by peripheral glare-free illumination. An integral magnifying glass provided for easier counting of small colonies.

TECHNICAL SPECIFICATIONS

MODEL	VSI-CC1	VSI-CC2
RANGE	999 Counts Maximum	9999 Counts Maximum
DISPLAY	3 digit LED display	4 digit LED display
DISH SIZE	110 mm.	110 mm.
MAGNIFICATION	x 1.7	x 1.7
LAMP	40W	40W
POWER SUPPLY	230V ± 10% AC, 50Hz AC	230V ± 10% AC, 50Hz AC
STANDARD ACCESSORIES	Marking Pen - 1 No. Magnifier Lens - 1 No. Lens Holder - 1 No.	Marking Pen - 1 No. Magnifier Lens - 1 No. Lens Holder - 1 No.

Specifications & designs are subject to change due to continuous R&D

Manufactured by :

VSI ELECTRONICS PVT. LTD.

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Authorised Dealer :