

**Product Name :**  
Densitometer

**Product Code :**  
LIM-CAT-L0048-00008



**Description :**

Densitometer

**Technical Specification :**

Densitometer is designed for measurement of cell suspension's turbidity in the range 0.3 - 5.0 units ( $100 \times 10^6$  -  $150 \times 10^7$  cells/ml). The device provide the opportunity to measure solution turbidity in a wider range (up to 15.0 units) however, it is necessary to remember that in this case the standard deviation values increase.

A densitometer is used for measurement of cell concentration (bacterial, yeast cells) during fermentation process, determination of microorganism sensitivity to antibiotics, microorganism identification using various test-systems, for measurement of absorption at the definite wavelength, as well as for quantitative estimation of concentration of colour solution, absorbing green light.

The operation principle is based on measurement of optical density with digital presentation of results in units. The unit is calibrated at the factory (for operation with 18 mm diameter glass tubes) and keeps calibration without power supply. However, if necessary it is possible to calibrate the unit by 2 - 6 points in 0.5 - 5.0 unit range

