

YORK COLONY COUNTER

Model No.: YSL/YSI-150AC

SPECIFICATIONS

- Main unit Fully sealed metal chamber
- Dimensions: W335xH475 xD340mm
- Weight : 25kg
- Power Source: 100-240 V,50-60Hz
- System configuration: Main Unit only. (PC and Monitor are sold separately Windows 11 compatible)
- Software: Software for colony count
- Operating environment: 10-35°C, 20-80 % humidity
- Color CMOS camera: 8.5MP Single pixel size 1.67x1.67μm
- Fixed focus lens: Resolution 150lp/mm, Focal Length 8mm, F1.4~F16 C-Mount
- Resolution: smallest detectable colony is 0.05 mm
- Lighting upper reflective lighting Lower lighting dark field or white background.
- Automatic colony counting: Pour and spread plates; filters & 3M Petrifilm
- Counting on Petri dishes: Ø 55 mm - Ø 90 mm
- Measurement time: 1 to 3 seconds per petri dish. Depends on PC performance and measurement conditions.
- Counting: Automatic with manual control
- Separate touching colonies: Automatic or manual mode
- Colony selection: Counting according to color, size, shape "Add"/"Delete": Counting result be corrected manually by using the mouse. Automatic rejection of impurities: According to the difference between colonies and impurities in shape, size and color.
- Measurement: Automatic measuring area, perimeter, diameter, roundness etc.; manual measuring Line, Angle, Rectangle, Circular, Arc, Curve
- Image Processing Image adaptive enhancement, RGB Component Adjust, Sharpen, Smooth, Filter, Edge Filters, Morphological Filters, Segmentation
- Data Handling: Database for storage of images and results with data query, reporting; data transfer capabilities
- User security: Password protection of configuration

