

Technical Specification

ProtoCOL 3 Automated Colony Counter

1. Device & Manufacturer

Device Name: ProtoCOL 3

Model Number: PROC3

Applications: Colony Counting, Inhibition Zone, AST, Spiral Plate Counting, AMES Testing, OPKA, SBA, Chromogenic Colony Detection, Multi-Sector, Multi-Well, Dilution Series, MIC Strips

Manufacturer: Synoptics Ltd

Manufacturer Address: Synoptics Ltd, Beacon House, Nuffield Road, Cambridge, CB4 1TF, United Kingdom

Division: Synbiosis

2. Hardware & Software Specification

Minimum Detectable Colony Size: 0.043 mm

Petri Dish Sizes: up to 150 mm diameter, 120mm x 120mm square dishes

Counting On All Media Types: Filter Membranes, PetriFilm, Colour Classification, Size Classification, Shape Classification, Gridded Membranes

Inhibition Zone Accuracy: +/-0.5mm

Data Transfer: .XLS, .CSV, .PDF

Data Output: Image, Sample Number, Date, Time, User, Count, Count per ml

Software & Hardware: ISO 9001-2015

Lighting: RGB LED array, triple capture method for true colour images

Camera: 1.4 MP

Resolution: 1280 x 1024

3. Software functions

Colony Count Time: 10,000 colonies per second

Automatic & Manual Control: Yes

Splitting Colonies: Yes

Polygonal Exclusion Zones: Yes

Manual Edits by User: Yes

Provides Colour Image: Yes

Zoom: x100

4. Additional Information

Warranty: 3 Years

Service Contract Available: Yes

IQ/OQ/PQ Available: Yes

Available accessories: Barcode Reader, Custom Plate Holders, Custom Validation Plates