

# Technical Specification

## Protos 3 Automated Colony Counter

### 1. Device & Manufacturer

**Device Name:** Protos 3

**Model Number:** PROTOS3

**Applications:** Colony Counting, Spiral Plate Counting, Chromogenic Colony Detection, Dilution Series

**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

**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