

# Technical Specification

## aCOLyte 3 HD Automated Colony Counter

### 1. Device & Manufacturer

**Device Name:** aCOLyte 3 HD

**Model Number:** ACOL3-HD

**Applications:** Colony Counting, Spiral Plate Counting

**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:** 0.1 mm

**Petri Dish Sizes:** up to 90 mm diameter

**Counting On All Media Types:** N/A

**Inhibition Zone Accuracy:** N/A

**Data Transfer:** .XLS, .CSV, .PDF

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

**Software & Hardware:** ISO 9001-2015

**Lighting:** Upper and lower White LED array

**Camera:** 1 MP

**Resolution:** 1280 x 960

### 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