

## **Technical Specification ProtoCOL 3 HDE Automatic & Manual Colony Counter**

### **Device & Manufacturer**

**Device Name:** ProtoCOL 3 HDE

**Model Number:** PROC3-HDE

**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, England

**Division:** Synbiosis

### **Hardware & Software Specification**

**Minimum detectable colony size:** 0.035 mm

**Petri dish sizes:** 55-100 mm

**Counting on all media types,** Filter membranes, PetriFilm, Colour classification (10 Colours), Size Classification, Shape classification

**Inhibition zone measuring** on 90 mm diameter, up to 100 mm square.

**Inhibition zone accuracy:** +/-0.15 mm

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

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

**LIMS:** .CSV output, single line transmission USB to serial

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

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

**Camera:** 5 MP

**Resolution:** 2448 x 2048

**Available accessories:** Barcode Reader, Custom validation plates, Custom plate holders

### **Software functions**

**Automatic & manual control:** Yes

**Splitting Colonies:** Yes

**Polygonal exclusion zones:** Yes

**Manual edits by user:** Yes

**Provides colour image:** Yes

**Zoom:** x100

**Warranty:** 3 Years as standard

**Service contracts:** Yes