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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