

Digital Antibiotic Zone Reader

Digital Antibiotic Zone Reader Zone Reader

1941

Features

- Accurate method for determining the strength of antibiotic materials.
- Electronic 'zero' adjustment eliminate tedious zero setting on the scale.
- LED illumination for better visibility of zone.
- Fine focus adjustment for clear image on the Viewing Glass.
- IQ /OQ Documentation.
- No effect of ambient light on image.
- No parallax so no human error in reading.
- Wide range of measuring diameters from 0 to 80.0mm.



1 Year
Warranty

EI Digital Antibiotic Zone Reader provides the user, distance in mm with accurate and fast method for determining the strength of antibiotic material. It functions by measuring the diameter from 0 to 80.0 mm of an inhibition zone in a petri-dish.

Wells are created on a petri-dish, prepared with agar - agar solution and inoculated with bacteria. After incubation, the bacterial growth cover the dish except for a circular inhibited zone around each disc, it being a function of the strength of the antibiotic.

The zone reader accurately measures the diameter of the inhibited zone to 0.1 mm within range of 0 to 80.0 mm diameter. Light is passed through the transparent and semitransparent portions of the agar from a source at base towards up. It then passed to a reflecting mirror supported by an arm above the unit, which reflects the light to glass prism mounted at the front of the unit and magnified image of the zone of inhibition is clearly visible on the prism.



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Technical Data

MODEL	1941
ZONE DIAMETER RANGE	0 to 80.0 mm
ACCURACY	0.1 mm
RESOLUTION	0.1 mm
ILLUMINATION LAMP/LED	12 V/ DC
DIMENSIONS	12" X 14" X 17" (L X W X H)
POWER	230V \pm 10%, 50Hz
DISPLAY	4 digit seven segment LED display
WEIGHT	Net 10 Kgs (Approx.)

*** Instrument should not be operated at a temperature exceeding 50°C**

Note: Specifications are subject to change due to continuous improvements

Product Range

Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus, Tablet Dissolution Test Apparatus, Melting Point Apparatus, Single Beam and Double Beam UV/VIS Spectrophotometer, Flame Photometers, Haemoglobin Meter, Digital pH, Meter, Digital Photo Fluorometer, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimeter, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Student Microscope, Binocular microscope, Medical Microscope. Co-Axial Microscope.