

Digital Antibiotic Zone Reader RS – 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 80.0 mm.



RS Digital Antibiotic Zone Reader provides the user, distance in mm with an 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 the range of 0 to 80.0 mm diameter. Light is passed through the transparent and semitransparent portions of the agar from a source at the base towards up. It then passed to a reflecting mirror supported by an arm above the unit, which reflects the light to a glass prism mounted at the front of the unit, and a magnified image of the zone of inhibition is clearly visible on the prism.

Zone Diameter Range	0 to 80.0 mm
Accuracy	0.1 mm
Resolution	0.1 mm
Illumination Lamp/LED	12 V DC
Display	4 digit seven segment LED display
Power Supply	230V±10% AC, 50Hz
Dimensions	12" X 14" X 17" (L X W X H)
Weight	Net 10 Kgs. (Approx.)

Note : Specifications are subject to change due to continuous improvements.

