

**INTRODUCTION**

DBK ANTIBIOTIC ZONE READER determines the strength of antibiotic materials by measuring diameter of 0 to 80.0mm of inhibited zone in petri dish.

Agar in petri dish is inculated with bacteria. Then sensitivity disc are dispensed on to dish. After incubation, bacterial growth cover disc except circular inhibited zone. Zone diameter is function of antibiotic strength.

Light from base passes up through transparent & semitransparent portion of agar. Adjustable sliding rubber belt, facilitates positioning of dish relative to light source. Light then passes to reflecting mirror which reflects image on viewing glass. Arc from one edge of the circle zone is adjusted tangent with line on Viewing Glass by slider knob. Push "ZERO" switch to get the reading Zero on digital display. Then the entire dish is to be moved by turning Slider knob, until arc from opposite side of inhibit zone is brought tangent to same line. Take down the reading from the digital display.

**FEATURES**

Accurate reading of the zone in mm on digital display.

Resolution is 0.1mm.

Electronic "ZERO" adjustment eliminate tedious zero setting on the scale.

No parallax so no human error in reading.

Fine focus adjustment for clear image on viewing glass.

No effect of ambient light on image.

Halogen lamp for sharp & bright optical imaging and also it has long life.

User's friendly design to operate the instrument.

**SPECIFICATIONS**

Range : 0 to 80.0mm

Least Count : 0.1mm

Display : 3 Digit 7 segment Red LED

Power Supply : 230V, 50Hz AC

Dimension : 370 W X 380 D X 220mm H

Weight : 8 Kg. approx

**DBK INSTRUMENTS**

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