DIGITAL ANTIBIOTIC ZONE READER - MODEL MZR 2 :

The antibiotic zone provides a rapid accurate method for determining the strength of antibiotic materials by measuring the diameter of an inhibited zone in Petri- dish

In use, the discs are placed on Petri-dish prepared with agar and inoculated with bacteria. After incubation, the bacterial cover the entire dish except for a circular in – habited zone around being a function of the strength of the antibiotic.

This zone reader measures the diameter of the inhibited zone to 0.02 mm within range of 0 to 35 mm diameter. Light from a source in the base, passes through the transparent and semitransparent portion of the agar, then to a reflecting mirror supported by an arm above the unit. The mirror 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.

Specifications :

Power	**:**	**220V + 10% 50 Hz.**
Size	**:**	**35 cm X 30 cm x 20 cm**
Weight	**:**	**Net 10 Kgs**

Features :

- Digital Indications of antibiotic zone diameter using a micro-computer.
- Measurement range 00.00 to 35.00 mm diameter readability 0.01 mm.
- Average of two diameter readings in vertical and horizontal direction of inhibited zone.
- Recall average diameter of inhibited zone.
- Key operations are acknowledged by beep sound.
- S.S. calibrated coins for calibration
- IQ / OQ Documentation

Advantages :

- An accurate method of determining the strength of antibiotic materials.
- Magnified image of the inhibited zone is clearly visible on the prism.
- Less time – consuming for measuring the accurate diameter of an inhibited zone. (+/- 0.1 mm)
- Easy to operate for single person.
- Display shows direct reading.
- Vertical & horizontal reading of the zone stored in memory.

Note : Images Shown here are illustrative. As the design & manufacturing of Machines are subject to improvement, the product supplied will be as per our Techno-Commercial offer.