

Digital Antibiotic Zone Reader

DAZR 3065



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ **Specification**

The digital antibiotic zone reader offered by us provides the users with an accurate and fast method for determining the strength of antibiotic material. It functions by measuring the diameter 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 bacteria cover the complete dish except for a circular inhibition zone around, it being a function of the strength of the antibiotic.

The zone reader accurately measures the diameter of the inhibition zone to 0.02 mm within range of 0 to 35 mm diameter. Light is passed through the transparent and semitransparent portions of the agar from a source from the top. It then is 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.

▶▶ **The salient features of the reader are:**

- Accurate method for determining the strength of antibiotic material
- Micro processor based design
- Average of Vertical diameter and Horizontal diameter of inhibited zone
- Magnified image of inhibited zone is clearly visible on the prism
- Calibration facility
- Printout facility
- Facility to store 4 zones (optional 6 zones)
- IQ / OQ Documentation

▶▶ **The key advantages of using the reader are:**

- An accurate method of determining the strength of antibiotic material.
- Magnified image of the inhibition zone is clearly visible on the prism.
- Less time-consuming for measuring the accurate diameter of an inhibited zone (± 0.2 mm).
- Easy to operate for single person.
- Display shows direct reading.
- Vertical and horizontal reading of the zone along with Average is stored in memory
- Power: 230 V 50 Hz
- 110 V 50/60 Hz (Optional)
- Size: 275 mm (L) x 265 mm (W) x 390 mm (H)
- Weight: Net 10Kgs

▶▶ **Regulatory compliances**



▶▶ **Corporate Social Responsibility**

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award: Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ **Reach us @**



HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalbiomed.com

W. www.ais-india.com
www.analyticalgroup.net
www.hplctechnologies.com
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