

# DBA



## DESCRIPTION

The Clover Systems dynamic Balance Analyzer is a tool for measuring imbalance of DVD, CD, and Blu-Ray discs. Conformance to all disc standards can be verified with this system.

The advent of high-speed drives makes disc imbalance an important issue. The forces generated increase with the square of the rotational rate, so at high speeds, the forces are extreme. The forces and resultant vibration can adversely affect disc performance and drive life.

High-speed drives will reduce their read speed if they have trouble reading the disc. One cause of speed reduction is vibration caused by disc imbalance. Only a properly balanced disc will provide the maximum throughput these drives are capable of.

Disc imbalance can be caused by misaligned center hole, thickness variation of the substrate, lacquer coating, dye coating, or bonding layer, as well as asymmetrical label design. A thorough evaluation of disc quality can be made.

## Dynamic Balance Analyzer

### Features

- Easy to operate
- Operates stand-alone or interfaces to PC
- Displays in g-mm, g-m, g-m<sup>2</sup>, or Newtons
- Pass / Fail indicator with user defined limits
- Shows direction of unbalance
- Tests DVD halves & glass discs
- Compact desktop form factor
- Tests disc in 10 seconds
- Includes two calibration discs
- Can be integrated into production line and automated

### Specifications

- Resolution: 0.1 g-mm
- Range: 0.0 – 17.0 g-mm
- Accuracy / Repeatability: ±0.2 g-mm
- Angular accuracy: ±3°
- AC voltage: 90-260VAC 50/60 Hz
- Power consumption: 40W
- Dimensions: 17" x 13" x 4.75"
- Weight: 20 lbs.

*Specification are subject to change without notice*



26241 Enterprise Court, Lake Forest, CA 92630  
Tel: 949.598.0700 Fax: 949.340-7146  
URL: <http://www.cloversystems.com/>