



Balance Analyzer Mk 2

- Analyzes the balance of all optical media:
BD, DVD and CD formats
- Industry specification compliant
- Fast analysis (< 10 sec.)
- Pass/Fail judgement showing
unbalance direction
- High accuracy
- Compact unit insensitive
to external vibrations
- Easy operation as stand-alone or via PC



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In recent years, the speeds of consumer DVD and CD drives have increased dramatically, leading today to 16X for DVD and 56X for CD. Measuring the unbalance of discs has, therefore, become an important step in the optical media quality control process. A non-uniformity of the substrate, bonding agent or print label thickness will cause a disc to be unbalanced. These variations can, at high-speed, have disastrous effects on the disc performance and the drive lifetime.

The Balance Analyzer Mk 2 is an ultra-fast and precise measuring system essential for controlling the balance of optical discs. It reports, in a simple Pass/Fail manner, whether the discs will exhibit problems at higher speed. Measurement results are available in less than 10 seconds, providing a swift diagnostic of the disc manufacturing process and the ability to adjust settings as required, thus leading to improved yields.

▶ **Quick measurement:**

The dynamic balance of BDs, DVDs and CDs are measured in a short time. The measurement data is displayed on the integrated Display and/or on the screen of a host PC in less than 10 seconds.

▶ **High accuracy measurement:**

Precise measurements are obtained through the use of the dynamic balance detector containing an electronic sensor and supplied calibration discs.

▶ **Compact design:**

The Balance Analyzer Mk 2, with its compact design and requires only a power outlet. Operation is through connection to an external PC or stand-alone.

▶ **Easy operation:**

The supplied special software runs on the Windows™ operating system and provides precision measurement with easy operation.

▶ **Calibration:**

The Balance Analyzer is quickly and simply calibrated in two steps:

- Zero Disc calibration
- Reference calibration with reference disc

Technical Specifications:	
measurement range	0 - 15 g*mm
measurement accuracy	±0.2 g*mm ±3 deg (using the 9 g*mm calibration disc from Philips)
measurement time	<10 sec.
power supply	100V - 240 VAC
power consumption	25 W or less
operating temperature	0 - 35°C / 32-95 °F
mass	12 kg
dimensions	400 (W) x 120 (H) x 200 (D) mm

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