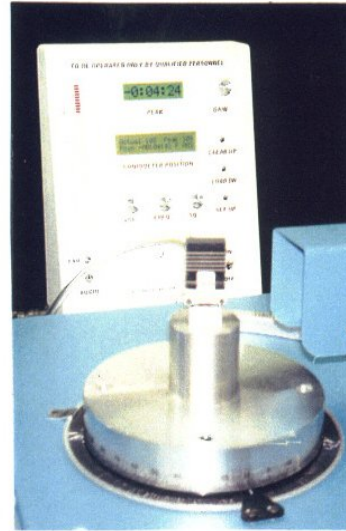


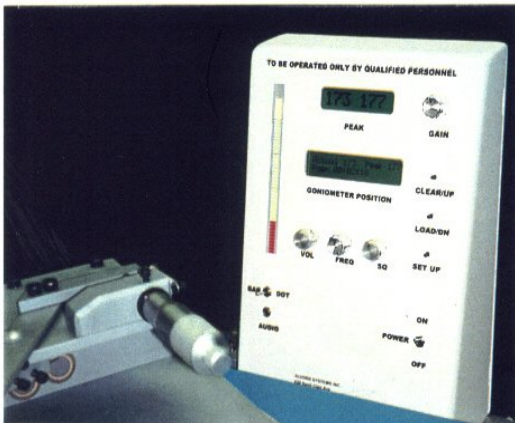
MODEL 50AD PIEZOGONIOMETER

The Model 50AD Piezogoniometer represents the latest development in quartz measuring technology for the sorting of cultured quartz wafers before and after lapping in addition to the setting of quartz bars. Alvord Systems has incorporated state of the art microprocessor technology, coupled with proprietary software algorithms, and an LCD display working together simultaneously with a peak angle detector to retain the exact angle at which the peak reflection off the crystal is read. These features along with angular encoder equipped goniometers allow for greater accuracy of measurements by reducing the variations from operator interpretation, while increasing repeatability, reliability and throughput.



SPECIFICATIONS

- Dual Operator Positions
- Motor Driven Wafer Scan With Software Adjustable Scan Speed And Angle
- Microprocessor Controlled LCD Display
- Peak Angle Detection
- DD:MM:SS, DD:MM:T, DD:MM:TT Format
- Angular Encoder 0.5 Arcsecond Resolution
- Adjustable Divergence Slit
- Electronic Shutter With Beam "ON" Indicator
- Overall Accuracy +/- 15 Seconds Maximum
- Dimensions: 45" / 1142mm (H) X 48" / 1219mm (L) X 26" / 660mm (W)
- Approximate Weight 580 Lbs / 263 Kgs
- Fixturing For Wafers And/Or Bars
- Oil Cooled Cooper Target X-ray Tube
- Maximum Rating - 30kV, 1.0mA
- Single Phase 110/220V or 50/60 Hz Input
- LED Bar Graph Peak Angle Display
- Sealed GM Tube
- GM Holder Adjustable @ Diffraction Angle
- Internal Double Diffraction 0.11 Plane
- Shipping Weight 800 Lbs / 363 Kgs



OPTIONS

- Bin Sorter Interface
- Statistical Data Collection

TERMS & ADDITIONAL CHARGES

- One Year Warranty On Non-Abused Parts
- Delivery 3 Months From Receipt Of Order
- International & Domestic Payment Terms
- Freight Via Air Collect - FOB Clairton, PA
- Crating, Installation & Training
- Specifications Subject To Change

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