



ResMap 468-SMIF

Designed to meet the needs of 200mm high volume manufacturing with SMIF cassettes, the ResMap Model 463-SMIF features CDE's patented multiple probe changer - available in either the two or four probe configuration. This unique capability delivers the most cost effective four point probe for conductive film measurements. This model is capable of handling 200mm wafers in both SMIF and open cassettes; a 150mm wafer open cassette adaptor is available.

Specification			
Features:	200mm SMIF handler; mini-environment; dual or quad probe changer	Minimum Edge Exclusion:	1.5mm (center of probe to edge of film)
Wafer Size:	200mm SMIF & open cassette auto load; adaptor for 150mm; manual load any size	Computer System:	Pentium class 1.2 GHz, 512MB RAM, 40GB HD, DVD-RW, FD; 15" monitor; operating system: Windows XP
Max Diameter:	15"	SECS-II Option:	Available; 300mm factory automation also available
Max Square:	10.5" x 10.5"	POD-ID Option:	N/A
Typical Measurement Time:	1 second per site	Mapping Patterns:	Polar map (align with notch/flat, straddle, or follow flat); rectangular map (choose inside edge exclusion); line scan (diameter, radius or any point to point along diameter, minimum step 0.1mm); user defined (template)
Typical Wafer Handling Time:	8 seconds each way	Plots:	Contour (spacing choice, 1/3 σ , fixed and auto %), 3D, line, data map, histogram, data sequence, radial and angular distributions; various modes of trend charts available
Typical Notch Find Time:	5 seconds; standard notch finder	Data:	All ResMap data files can be ported to programs such as Excel® for further analysis.
Maximum Throughput:	35 wph with NF (49 sites)	Facilities	
Measurement Range:	2 m Ω /□ - 5 M Ω /□ (can be optimized to 1 m Ω /□)	House Vacuum :	Required; >500 mm Hg, on 1/4" OD flexible tubing
Repeatability (1σ):	≤ ±0.02% (static or Rs pack); ≤ ±0.1% (dynamic nearby spots, typical)	AC Power:	100V to 240V < 10 KVA
Accuracy:	≤ ±0.5% using NIST traceable ResCal standards	Size (inches): width x depth x height	22"w x 44"d x 60"d; floor standing; (computer system, etc. enclosed)