ResMap 463-FOUP

Designed to meet the needs of 300mm high volume manufacturing, the ResMap Model 463-FOUP 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 also has an adaptor for 200mm wafer and 300mm wafer open cassette loading.

Specifications

Features:	300mm FOUP handler; mini-environment; dual or quad probe changer	**Minimum Edge Exclusion:**	1.5mm (center of probe to edge of film)
Wafer Size:	300mm auto load; adaptor for 300mm & 200mm open cassette; 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:**	RF ID
Typical Measurement Time:	1 second per site	**Mapping Patterns:**	Polar map (align with notch/flat, straddle or follow flat); rectangular map (can 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, 1/3σ, 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 NF	**Data:**	All ResMap data files such as maps, etc. can be ported to programs such as Excel® for further analysis.
Maximum Throughput:	35 wph with notch find (49 sites)	**Facilities**	
Measurement Range:	2 mΩ/☐ - 5 MΩ/☐ ; may be optimized to 1 mΩ/☐	**House Vacuum :**	Required; >500 mm Hg, on ¼" 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"h; stand alone (computer system, etc. enclosed)

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Rev. 070701