

Part #	Type	Application	Electrode Spacing	Electrode/ Substrate	Sensor Head Dimension (CM)	Sensor Area Dimension (CM)	Lead Length	Temperature C	Log Ion Viscosity* (ohm-cm)
020S 022S	Low Conductivity Integrated Circuit (Chip Sensor)	Most Polymers: Silicone, Oils Low Conductivity, Low Loss Factor, High Accuracy Permittivity Measurements Monitoring of Dipole Relaxations Oven, Ambient Environment For use with Eumetric System II & III only	12.5 microns	Aluminum/ Silicon	1.0 x 1.0 x 0.05 1.0 x 1.0 x 0.05	0.51 x 0.25 0.51 x 0.25	5" 14"	-150 to 250 -150 to 250	5 - 16 5 - 16
036S 065S 066S 068S	IDEX	Most Polymers & Composites: Films (>115um): Paints, Coatings, High Pressure Laminates Press, Autoclave, Oven, Ambient	115 microns	Nickel/ Polyimide	3.0 x 1.3 x 0.02 3.6 x 1.3 x 0.02 3.6 x 1.3 x 0.02 3.6 x 1.3 x 0.02	2.54 x 0.83 2.54 x 0.83 2.54 x 0.83 2.54 x 0.83	14" no leads 24" specify	-150 to 375 -150 to 375 -150 to 200 -150 to 200	2 - 13
037S 067S 069S	Filtered IDEX	Graphite Composites, Metal Filled Materials Press, Autoclave	115 microns	Nickel/ Polyimide Glass Filter	3.1 x 1.3 x 0.04 3.7 x 1.3 x 0.04 3.7 x 1.3 x 0.04	2.54 x 0.83 2.54 x 0.83 2.54 x 0.83	14" 24" Specify	-150 to 375 -150 to 200 -150 to 200	2 - 13
038S	Gold IDEX	IDEX applications where corrosive materials are used	115 microns	Gold/ Polyimide	3.0 x 1.3 x 0.02 3.0 x 1.3 x 0.02	2.54 x 0.83 2.54 x 0.83	14"	-150 to 375	2 - 13
010S 012S	MS-01	Thin Films (>1um): Wafer Coatings, Photoresists. Oven, Ambient, Hot Plate	1 micron	Chrome/ Quartz	1.0 x 1.0 x 0.04 1.0 x 1.0 x 0.04	0.30 x 0.08 0.30 x 0.08	6" No Leads	-150 to 200 -150 to 200	5 - 12 5 - 12
017S 019S	MS-05	Thin Films (> 5 um): Paints, Coatings Oven, Ambient	5 microns	Chrome/ Quartz	0.9 x 0.9 x 0.10 0.9 x 0.9 x 0.10	0.76 x 0.34 0.76 x 0.34	6" No Leads	-150 to 200 -150 to 300	4 - 13 4 - 13
014S 015S 016S	MS-25	High Temp Polymers & Composites, PMR-15, Thin Films (> 25 um): Paints, Coatings, Corrosive Materials Oven, Autoclave, Ambient	25 microns	Chrome/ Quartz	2.0 x 1.0 x 0.10 2.0 x 1.0 x 0.10 2.0 x 1.0 x 0.10	1.00 x 0.70 1.00 x 0.70 1.00 x 0.70	6" 24" No Leads	-150 to 200 -150 to 375 -150 to 400	3 - 13 3 - 13 3 - 13
041S	High Conductivity	High Conductivity Materials, Water Based Polymers, High Carbon Black Filled Polymers Press, Autoclave, Oven, Ambient	0.16 cm	Nickel/ Polyimide	1.2 x 1.3 x 0.02	1.00 x 0.70	14"	-150 to 300	0 - 8

\* Instrument Dependent