

ProboStat™: systems and measurements

Sample	Disk	Disk	Disk	Disk	Disk	Disk ^a	Disk ^a	Disk ^a	Disk	Bar	Bar	Bar	Disk / Powder ^b
Method	2-point impedance spectroscopy and conductivity	2-point conductivity with surface guard	Electrode impedance studies with ring reference electrode – symmetrical cells	Voltammetry studies with ring reference electrode – symmetrical cells	Van der Pauw 4-point conductivity	EMF transport number	Permeability	Fuel cell and electrolyzer components and single cell	Poling of ferroelectrics	Seebeck coefficient (thermoelectric power)	4-point conductivity	Comined Seebeck coefficients and conductivity	Annealing / sintering under controlled atmospheres
ProboStat™ system													
Extensively furnished system	X	X	X	X	X	X	X	X		X	X	X	X
Extensively furnished HV system	X	X	X	X	X	X	X	X	X	X	X	X	X
Normal plus system	X	X	X	X	X	X	X	X		(X)	(X)	(X)	X
Normal system	X	X	X	X	X	X	X	X		(X)	(X)	(X)	X
Normal HV system	X	X	X	X	X	X	X	X	X	(X)	(X)	(X)	X
Bar sample system	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)		X	X	X	(X)
ACIS system	X	(X)	(X)	(X)	(X)	(X)	(X)	(X)		(X)	(X)	(X)	(X)
Tubular membrane system	X ^c	(X)	(X)	(X)	(X)	X ^d	X ^d	X ^d		(X)	(X)	(X)	(X)
Minimum system	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)		(X)	(X)	(X)	(X)
Base unit system	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)		(X)	(X)	(X)	(X)

(X): Available after fabrication or purchase of ProboStat accessories and connections.

a: Requires user sealing

b: Requires suitable crucible

c: Tube sample

d: Closed tube sample