

Specification	Model	GX112	GX103	GX104	GX105
		Bi-Potentiostat / EIS Analyser	Potentiostat	Bi-Potentiostat	Potentiostat
Scan Range		±2 V	±2 V	±2 V	±3 V
Best Compliance Voltage		-3 V; +2,1 V	-4,35 V; +2,65 V	-4,35 V; +2,65 V	-4,25 V; +3,75 V
Best Maximum Current		1,5 mA	20 mA	20 mA	20 mA
Applied DC Voltage Resolution		537 µV	732 µV	732 µV	1098 µV
Current Ranges		8 ranges + autorange (1,5mA, 300µA, 30µA, 15µA, 7.5µA, 1,8µA, 70nA, 10nA)	5 ranges + autorange (20 mA, 500 µA ,20 µA, 500 nA, 15 nA)	5 ranges + autorange (20 mA, 500 µA ,20 µA, 500 nA, 15 nA)	Single range (20 mA - 15 nA, customisable)
Current Resolution (of max value in each range)		0,002%	0,02%	0,02%	0,02%
Sampling Rate		1.000 SPS	1.000 SPS	1.000 SPS	1.000 SPS
Best Current Resolution @1.000SPS		120 pA	1 pA	1 pA	1 pA - 1.5 nA
Noise Level @1.000SPS		-60 dB	-60 dB	-60 dB	-60 dB
Minimum Noise @1.000SPS		15 nA	1.8 nA	1.8 nA	1.8 nA
Best Current Resolution @1SPS		4 pA	31 fA	31 fA	31 fA - 47 pA
Noise Level @1SPS		-144 dB	-110 dB	-110 dB	-110 dB
Minimum Noise @1SPS		30 pA	1 pA	1 pA	1 pA
Electrode Connections		WE1, WE2, RE, CE	WE1, RE, CE	WE1, WE2, RE, CE	WE1, RE, CE
DC Methods		CV, DPV, SWV, LSV, NP, CA, MA	CV, DPV, SWV, LSV, NP, CA, MA	CV, DPV, SWV, LSV, NP, CA, MA	CV, DPV, SWV, LSV, NP, CA, MA
Galvanostatic Measurement Methods		PSA	PSA	PSA	PSA
Open Circuit Potential		±1,6 V	±1,6 V	-	-
Bi-Potentiostat WE2 Mode		Duplicate, Bias to GND, Bias to WE1	-	Duplicate, Bias to GND, Bias to WE1	-
Bi-Potentiostat Range		-1,1 V; +0,9 V ±ΔE	-	±1,5 V ±ΔE	-
Impedance Measurement Methods		EIS, IMP	-	-	-
Impedance Measurement Frequency Range		15 mHz - 200 KHz	-	-	-
Power (Max)		150 mW	470 mW	470 mW	470 mW
Host Interface		USB Type C	USB Type C	USB Type C	USB Type C
Compatibility		PC, Android	PC, Android	PC, Android	PC, Android
Size (LxWxH)		39 x 18 x 9 mm ³	39 x 18 x 9 mm ³	39 x 18 x 9 mm ³	39 x 18 x 9 mm ³
Weight		6 gr	6 gr	6 gr	6 gr



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