

Dynamic/ Quasi Dynamic Instruments

Quickly varying load applications

Models: 7000, 8000, and 9000



	7000	8000	9000
Measurement Range (ue)	16,000-100,000 @ GF=2.0	25,000-310,000 @ GF=2.0	25,000-310,000 @ GF=2.0
Input Type	(SG,HL,LVDT, and TC)	(SG,HL, and TC)	(SG, TC*,HL*,Piezo*)
Bridge Types	QB, HB, FB	QB, HB, FB	QB, HB, FB
Bridge Completion	120 Ohm, 350 Ohm, 1000 Ohm, internal HB 1KOhm(2)	120 Ohm, 350 Ohm, 1000 Ohm, internal HB 1KOhm(2)	120 Ohm, 350 Ohm, 1000 Ohm, internal HB 1KOhm(2)
A/D Converter	24 bit Delta-Sigma	24 bit Delta-Sigma	24 bit Delta-Sigma
Max Output	+/-50 mV/V @ GF = 2.0	+/-155mV/V @ GF=2.0	+/-155mV/V @ GF=2.0
Resolution	0.5 ue @ GF=2.0	0.5 ue @ GF=2.0	0.5 ue @ GF=2.0
SG Excitation	0-10Vdc (SW selectable)	0-10Vdc (SW selectable)	0-10Vdc (SW selectable)
HL Excitation	0-12 VDC (+/-)	0-11.997 VDC	0-11.997 VDC
Power source	11-32VDC, 30A max	10-32VDC, 5A max	11-32VDC, 10A max
Data Rate	Up to 2048 S/s	Up to 1000 S/s	5000 - 50,000 S/s
Max Storage	2 GB	PC dependent	>16GB (2GB file max size)
Analog Output	Optional SG-A only	No	Optional SM-AO only
Max Channels	512	128	48
Software	Windows based	Windows based	Windows based
Drivers	Labview, .NET interface	Labview, .NET interface	Labview, .NET interface
Self Calibrate	Yes – with Vcal	Yes – with Vcal option	Yes – with Vcal option

* Optional Cards