

DAT210 Analog Scale Factors

 Screw terminal #14, DC Bus Voltage (same for 120 or 240vac): **76.7**

- Notes:**
- #13 & 14 output are 0 - 5 vdc.
 - Screw terminal: #13 = DC Bus Current, #14 = Bus Volts.
 - Current gain can be selected via least significant digit of m108.
 - Neither bus voltage or bus amps will equal ac mains values.
 - 300g and up are 3 phase mains.

Example, 50g:

DC Bus Current	$1.04 * 2.6 = 2.704$ adc
DC Bus Volts	$2 * 76.7 = 153.4$ vdc
Bus Power	$2.704 * 153.4 = 415$ watts

Verify in future.

Type	Mains	Power	Amp/Volt	#13	#14	m108	Calculated		
				Typical	Typical		Adc	Vdc	Watts
30g	120	250	0.62	2.55	2.0	54	1.58	153.4	243
	240	250	0.41	2.13	4.0	45	0.87	306.8	268
	240	250	0.33	2.65	4.0	46	0.87	306.8	268
50g	120	400	1.04	2.60	2.0	53	2.70	153.4	415
	240	400	0.62	2.05	4.0	44	1.27	306.8	390
60g	120	500	1.04	3.11	2.0	53	3.23	153.4	496
	240	500	0.62	2.52	4.0	44	1.56	306.8	479
70g	120	N/A							
	240	700	0.62	3.60	4.0	44	2.23	306.8	685
120g	240	1000	1.04	3.08	4.0	43	3.20	306.8	983
140g	240	1400	1.65	2.70	4.0	42	4.46	306.8	1367
150g	240	1200	1.65	2.30	4.0	42	3.80	306.8	1164
300g	240	2400	2.74	2.50	4.2	41	6.85	322.1	2207
350g	240	2500	2.74	2.88	4.0	41	7.89	308.3	2433
350g	208	2500	2.74	3.34	3.6	41	9.15	273.1	2499
450g	240	3000	2.74	3.40	4.2	41	9.32	322.1	3001
450g	240	3500	4.80	2.32	4.2	40	11.14	322.1	3587
	240	4000	4.80		4.2	40	0.00	322.1	0
	240	4500	4.80	2.94	4.2	40	14.11	322.1	4546

DAT310 Analog Scale Factors

Screw terminal #14, DC Bus Voltage (same for 120 or 240vac): **10.1**

Type	Mains	Power	Amp/Volt			m108	Calculated		
				#13 Typical	#14 Typical		Adc	Vdc	Watts
10g	95-250	135	1.45	1.87	4.79	FF	2.72	48.35	131
20g	95-250	231	1.45	3.46	4.67	FF	5.02	47.17	237