

Measurements of the 7W 808nm laser

Power Table

<div> Aufbau: Linse Spiegel Linse Spiegel 30cm Drift Sensor nach bestem Gewissen aufgestellt Amplitude = 0 = dc off Thorlabs PM200 </div>							
A[bits]	P[mW]	Table 1: Kennlinie Pyrometer			Table 2: Kennlinie Photodiode		
		Bit	P [W]	ΔP [W]	Bit	P [mW]	ΔP [mW]
18000	404	0	-0.0085	0.001	0	0	0
15000	267	2000	-0.0085	0.001	300	0.0003	0.0001
13000	106	4000	-0.0083	0.001	400	0.003	0.0001
12930	101	6000	-0.0078	0.001	500	0.0065	0.0001
12915	100	8000	-0.0075	0.001	600	0.0120	0.0001
11000	2.38	10000	-0.006	0.001	700	0.0176	0.0001
10000	1.38	11000	-0.003	0.001	800	0.0237	0.0001
9000	0.91	11200	-0.0015	0.001	900	0.03	0.0001
7000	0.457	11400	0.012	0.001	1000	0.0368	0.0001
5000	0.234	11600	0.0335	0.001	1200	0.0515	0.0001
2500	0.074	11800	0.0555	0.001	1400	0.0673	0.0001
2000	0.051	12000	0.081	0.001	1600	0.0842	0.0001
1500	0.032	12500	0.142	0.001	1800	0.102	0.001
1000	0.015	13000	0.2083	0.001	2000	0.121	0.001
500	0.002	13500	0.2755	0.001	2500	0.173	0.001
400	4.3e-4	14000	0.343	0.001	3000	0.231	0.001
350	1.6e-5	15000	0.4765	0.001	4000	0.369	0.001
300	2e-6	16000	0.6105	0.001	5000	0.542	0.001
250	2e-6	18000	0.876	0.001	6000	0.763	0.001
100	2e-6	20000	1.14	0.001	7000	1.05	0.01
0	2e-6	22000	1.406	0.001	8000	1.46	0.01
		24000	1.661	0.001	9000	2.1	0.01
		26000	1.914	0.001	10000	3.23	0.01
		28000	2.184	0.001	10500	4.17	0.01
		30000	2.45	0.001	10750	4.85	0.01
		32000	2.707	0.001	11000	6.21	0.01
		34000	2.959	0.001	11100	6.48	0.01
		36000	3.199	0.001	11200	7.31	0.01
		38000	3.469	0.001	11300	10.5	0.01
		40000	3.762	0.001	11400	27	0.01
		42000	4.043	0.001	11500	39.1	0.01
		44000	4.279	0.001	11600	51.5	0.01
		46000	4.505	0.001	11700	63.2	0.01
		48000	4.784	0.001	11800	76.5	0.01
		50000	5.008	0.001	11900	91	0.01
		52000	5.26	0.001	12000	106	0.01
		54000	5.48	0.001	12500	172	0.01
		56000	5.721	0.001	13000	230	0.01
		58000	5.965	0.001	14000	317	0.01
		60000	6.145	0.001	15000	372	0.01
		62000	6.362	0.001	16000	411	0.01
		64000	6.604	0.001	17000	440	0.01
		65535	6.843	0.001	18000	464	0.01
					19000	483	0.01
					20000	500	0.01