



Pile Dynamics, Inc

Certificate of Calibration

Transducer Model: PDI Transducer

Serial Number: L490

PDI Gage Factor: 95.2 $\mu\text{E/V}$

General Gage Factor: 330.5 $\mu\text{E/mV/V}_{\text{cal}}$

Initial Offset Voltage: -0.271 mV/V_{cal}

Table 1 - Representative Calibration Data

Applied Strain (μE)	Transducer Output (mV/V _{cal})	Applied Strain (μE)	Transducer Output (mV/V _{cal})
-12	0.178	259	24.91
-10	1.185	536	50.83
-8	2.205	815	77.88
-6	3.255	1100	105.10
-4	4.335	1390	132.50
-2	5.445	1685	160.00
0	6.585	1985	187.60
2	7.755	2290	215.30
4	8.955	2600	243.10
6	10.185	2915	271.00
8	11.445	3235	299.00
10	12.735	3560	327.10
12	14.055	3890	355.30
14	15.405	4225	383.60
16	16.785	4565	412.00
18	18.195	4910	440.50
20	19.635	5260	469.10
22	21.105	5615	497.80
24	22.605	5975	526.50
26	24.135	6340	555.30
28	25.695	6710	584.20
30	27.285	7085	613.20
32	28.905	7465	642.30
34	30.555	7850	671.50
36	32.235	8240	700.80
38	33.945	8635	730.20
40	35.685	9035	759.70
42	37.455	9440	789.30
44	39.255	9850	819.00
46	41.085	10265	848.80
48	42.945	10685	878.70
50	44.835	11110	908.80
52	46.755	11540	939.00
54	48.705	11975	969.30
56	50.685	12415	1000.00
58	52.695	12860	1030.80
60	54.735	13310	1061.80
62	56.805	13765	1092.90
64	58.905	14225	1124.20
66	61.035	14690	1155.70
68	63.195	15160	1187.30
70	65.385	15635	1219.00
72	67.605	16115	1250.80
74	69.855	16600	1282.80
76	72.135	17090	1314.90
78	74.445	17585	1347.10
80	76.785	18085	1379.50
82	79.155	18590	1412.00
84	81.555	19100	1444.60
86	83.985	19615	1477.30
88	86.445	20135	1510.10
90	88.935	20660	1543.00
92	91.455	21190	1576.00
94	93.995	21725	1609.10
96	96.565	22265	1642.30
98	99.165	22810	1675.60
100	101.795	23360	1709.00
102	104.455	23915	1742.50
104	107.145	24475	1776.10
106	109.865	25040	1810.00
108	112.605	25610	1844.00
110	115.375	26185	1878.10
112	118.175	26765	1912.30
114	121.005	27350	1946.60
116	123.865	27940	1981.00
118	126.755	28535	2015.50
120	129.675	29135	2050.10
122	132.615	29740	2084.80
124	135.585	30350	2119.50
126	138.585	30965	2154.30
128	141.615	31585	2189.10
130	144.675	32210	2224.00
132	147.765	32840	2259.00
134	150.885	33475	2294.10
136	154.035	34115	2329.30
138	157.215	34760	2364.50
140	160.425	35410	2400.00
142	163.665	36065	2435.50
144	166.935	36725	2471.00
146	170.235	37390	2506.50
148	173.565	38060	2542.00
150	176.925	38735	2577.50
152	180.315	39415	2613.00
154	183.735	40100	2648.50
156	187.185	40790	2684.00
158	190.665	41485	2719.50
160	194.175	42185	2755.00
162	197.715	42890	2790.50
164	201.285	43600	2826.00
166	204.885	44315	2861.50
168	208.515	45035	2897.00
170	212.175	45760	2932.50
172	215.865	46490	2968.00
174	219.585	47225	3003.50
176	223.335	47965	3039.00
178	227.115	48710	3074.50
180	230.925	49460	3110.00
182	234.765	50215	3145.50
184	238.635	50975	3181.00
186	242.535	51740	3216.50
188	246.465	52510	3252.00
190	250.425	53285	3287.50
192	254.415	54065	3323.00
194	258.435	54850	3358.50
196	262.485	55640	3394.00
198	266.565	56435	3429.50
200	270.675	57235	3465.00
202	274.815	58040	3500.50
204	278.985	58850	3536.00
206	283.185	59665	3571.50
208	287.415	60485	3607.00
210	291.675	61310	3642.50
212	295.965	62140	3678.00
214	300.285	62975	3713.50
216	304.635	63815	3749.00
218	309.015	64660	3784.50
220	313.425	65510	3820.00
222	317.865	66365	3855.50
224	322.335	67225	3891.00
226	326.835	68090	3926.50
228	331.365	68960	3962.00
230	335.925	69835	3997.50
232	340.515	70715	4033.00
234	345.135	71600	4068.50
236	349.785	72490	4104.00
238	354.465	73385	4139.50
240	359.175	74285	4175.00
242	363.915	75190	4210.50
244	368.685	76100	4246.00
246	373.485	77015	4281.50
248	378.315	77935	4317.00
250	383.175	78860	4352.50
252	388.065	79790	4388.00
254	392.985	80725	4423.50
256	397.935	81665	4459.00
258	402.915	82610	4494.50
260	407.925	83560	4530.00
262	412.965	84515	4565.50
264	418.035	85475	4601.00
266	423.135	86440	4636.50
268	428.265	87410	4672.00
270	433.425	88385	4707.50
272	438.615	89365	4743.00
274	443.835	90350	4778.50
276	449.085	91340	4814.00
278	454.365	92335	4849.50
280	459.675	93335	4885.00
282	465.015	94340	4920.50
284	470.385	95350	4956.00
286	475.785	96365	4991.50
288	481.215	97385	5027.00
290	486.675	98410	5062.50
292	492.165	99440	5098.00
294	497.685	100475	5133.50
296	503.235	101515	5169.00
298	508.815	102560	5204.50
300	514.425	103610	5240.00
302	520.065	104665	5275.50
304	525.735	105725	5311.00
306	531.435	106790	5346.50
308	537.165	107860	5382.00
310	542.925	108935	5417.50
312	548.715	110015	5453.00
314	554.535	111100	5488.50
316	560.385	112190	5524.00
318	566.265	113285	5559.50
320	572.175	114385	5595.00
322	578.115	115490	5630.50
324	584.085	116600	5666.00
326	590.085	117715	5701.50
328	596.115	118835	5737.00
330	602.175	119960	5772.50
332	608.265	121090	5808.00
334	614.385	122225	5843.50
336	620.535	123365	5879.00
338	626.715	124510	5914.50
340	632.925	125660	5950.00
342	639.165	126815	5985.50
344	645.435	127975	6021.00
346	651.735	129140	6056.50
348	658.065	130310	6092.00
350	664.425	131485	6127.50
352	670.815	132665	6163.00
354	677.235	133850	6198.50
356	683.685	135040	6234.00
358	690.165	136235	6269.50
360	696.675	137435	6305.00
362	703.215	138640	6340.50
364	709.785	139850	6376.00
366	716.385	141065	6411.50
368	723.015	142285	6447.00
370	729.675	143510	6482.50
372	736.365	144740	6518.00
374	743.085	145975	6553.50
376	749.835	147215	6589.00
378	756.615	148460	6624.50
380	763.425	149710	6660.00
382	770.265	150965	6695.50
384	777.135	152225	6731.00
386	784.035	153490	6766.50
388	790.965	154760	6802.00
390	797.925	156035	6837.50
392	804.915	157315	6873.00
394	811.935	158600	6908.50
396	818.985	159890	6944.00
398	826.065	161185	6979.50
400	833.175	162485	7015.00
402	840.315	163790	7050.50
404	847.485	165100	7086.00
406	854.685	166415	7121.50
408	861.915	167735	7157.00
410	869.175	169060	7192.50
412	876.465	170390	7228.00
414	883.785	171725	7263.50
416	891.135	173065	7299.00
418	898.515	174410	7334.50
420	905.925	175760	7370.00
422	913.365	177115	7405.50
424	920.835	178475	7441.00
426	928.335	179840	7476.50
428	935.865	181210	7512.00
430	943.425	182585	7547.50
432	951.015	183965	7583.00
434	958.635	185350	7618.50
436	966.285	186740	7654.00
438	973.965	188135	7689.50
440	981.675	189535	7725.00
442	989.415	190940	7760.50
444	997.185	192350	7796.00
446	1005.085	193765	7831.50
448	1013.015	195185	7867.00
450	1020.975	196610	7902.50
452	1028.965	198040	7938.00
454	1036.985	199475	7973.50
456	1045.035	200915	8009.00
458	1053.115	202360	8044.50
460	1061.225	203810	8080.00
462	1069.365	205265	8115.50
464	1077.535	206725	8151.00
466	1085.735	208190	8186.50
468	1093.965	209660	8222.00
470	1102.225	211135	8257.50
472	1110.515	212615	8293.00
474	1118.835	214100	8328.50
476	1127.185	215590	8364.00
478	1135.565	217085	8400.00
480	1143.975	218585	8435.50
482	1152.415	220090	8471.00
484	1160.885	221600	8506.50
486	1169.385	223115	8542.00
488	1177.915	224635	8577.50
490	1186.475	226160	8613.00
492	1195.065	227690	8648.50
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