



Pile Dynamics, Inc

Certificate of Calibration

Transducer Model: PDI Transducer

Serial Number: L489

PDI Gage Factor: 92.9 $\mu\text{E/V}$

General Gage Factor: 32.6 $\mu\text{E/mV/V}_{\text{ast}}$

Initial Offset Voltage: 0.252 mV/V_{ast}

Table 1 - Representative Calibration Data

Applied Strain (μE)	Transducer Output (mV/V _{ast})	Applied Strain (μE)	Transducer Output (mV/V _{ast})
41	0.789	273	1.230
41	0.933	276	1.269
41	1.077	279	1.308
41	1.221	282	1.347
41	1.365	285	1.386
41	1.509	288	1.425
41	1.653	291	1.464
41	1.797	294	1.503
41	1.941	297	1.542
41	2.085	300	1.581
41	2.229	303	1.620
41	2.373	306	1.659
41	2.517	309	1.698
41	2.661	312	1.737
41	2.805	315	1.776
41	2.949	318	1.815
41	3.093	321	1.854
41	3.237	324	1.893
41	3.381	327	1.932
41	3.525	330	1.971
41	3.669	333	2.010
41	3.813	336	2.049
41	3.957	339	2.088
41	4.101	342	2.127
41	4.245	345	2.166
41	4.389	348	2.205
41	4.533	351	2.244
41	4.677	354	2.283
41	4.821	357	2.322
41	4.965	360	2.361
41	5.109	363	2.400
41	5.253	366	2.439
41	5.397	369	2.478
41	5.541	372	2.517
41	5.685	375	2.556
41	5.829	378	2.595
41	5.973	381	2.634
41	6.117	384	2.673
41	6.261	387	2.712
41	6.405	390	2.751
41	6.549	393	2.790
41	6.693	396	2.829
41	6.837	399	2.868
41	6.981	402	2.907
41	7.125	405	2.946
41	7.269	408	2.985
41	7.413	411	3.024
41	7.557	414	3.063
41	7.701	417	3.102
41	7.845	420	3.141
41	7.989	423	3.180
41	8.133	426	3.219
41	8.277	429	3.258
41	8.421	432	3.297
41	8.565	435	3.336
41	8.709	438	3.375
41	8.853	441	3.414
41	8.997	444	3.453
41	9.141	447	3.492
41	9.285	450	3.531
41	9.429	453	3.570
41	9.573	456	3.609
41	9.717	459	3.648
41	9.861	462	3.687
41	10.005	465	3.726
41	10.149	468	3.765
41	10.293	471	3.804
41	10.437	474	3.843
41	10.581	477	3.882
41	10.725	480	3.921
41	10.869	483	3.960
41	11.013	486	3.999
41	11.157	489	4.038
41	11.301	492	4.077
41	11.445	495	4.116
41	11.589	498	4.155
41	11.733	501	4.194
41	11.877	504	4.233
41	12.021	507	4.272
41	12.165	510	4.311
41	12.309	513	4.350
41	12.453	516	4.389
41	12.597	519	4.428
41	12.741	522	4.467
41	12.885	525	4.506
41	13.029	528	4.545
41	13.173	531	4.584
41	13.317	534	4.623
41	13.461	537	4.662
41	13.605	540	4.701
41	13.749	543	4.740
41	13.893	546	4.779
41	14.037	549	4.818
41	14.181	552	4.857
41	14.325	555	4.896
41	14.469	558	4.935
41	14.613	561	4.974
41	14.757	564	5.013
41	14.901	567	5.052
41	15.045	570	5.091
41	15.189	573	5.130
41	15.333	576	5.169
41	15.477	579	5.208
41	15.621	582	5.247
41	15.765	585	5.286
41	15.909	588	5.325
41	16.053	591	5.364
41	16.197	594	5.403
41	16.341	597	5.442
41	16.485	600	5.481
41	16.629	603	5.520
41	16.773	606	5.559
41	16.917	609	5.598
41	17.061	612	5.637
41	17.205	615	5.676
41	17.349	618	5.715
41	17.493	621	5.754
41	17.637	624	5.793
41	17.781	627	5.832
41	17.925	630	5.871
41	18.069	633	5.910
41	18.213	636	5.949
41	18.357	639	5.988
41	18.501	642	6.027
41	18.645	645	6.066
41	18.789	648	6.105
41	18.933	651	6.144
41	19.077	654	6.183
41	19.221	657	6.222
41	19.365	660	6.261
41	19.509	663	6.300
41	19.653	666	6.339
41	19.797	669	6.378
41	19.941	672	6.417
41	20.085	675	6.456
41	20.229	678	6.495
41	20.373	681	6.534
41	20.517	684	6.573
41	20.661	687	6.612
41	20.805	690	6.651
41	20.949	693	6.690
41	21.093	696	6.729
41	21.237	699	6.768
41	21.381	702	6.807
41	21.525	705	6.846
41	21.669	708	6.885
41	21.813	711	6.924
41	21.957	714	6.963
41	22.101	717	7.002
41	22.245	720	7.041
41	22.389	723	7.080
41	22.533	726	7.119
41	22.677	729	7.158
41	22.821	732	7.197
41	22.965	735	7.236
41	23.109	738	7.275
41	23.253	741	7.314
41	23.397	744	7.353
41	23.541	747	7.392
41	23.685	750	7.431
41	23.829	753	7.470
41	23.973	756	7.509
41	24.117	759	7.548
41	24.261	762	7.587
41	24.405	765	7.626
41	24.549	768	7.665
41	24.693	771	7.704
41	24.837	774	7.743
41	24.981	777	7.782
41	25.125	780	7.821
41	25.269	783	7.860
41	25.413	786	7.899
41	25.557	789	7.938
41	25.701	792	7.977
41	25.845	795	8.016
41	25.989	798	8.055
41	26.133	801	8.094
41	26.277	804	8.133
41	26.421	807	8.172
41	26.565	810	8.211
41	26.709	813	8.250
41	26.853	816	8.289
41	26.997	819	8.328
41	27.141	822	8.367
41	27.285	825	8.406
41	27.429	828	8.445
41	27.573	831	8.484
41	27.717	834	8.523
41	27.861	837	8.562
41	28.005	840	8.601
41	28.149	843	8.640
41	28.293	846	8.679
41	28.437	849	8.718
41	28.581	852	8.757
41	28.725	855	8.796
41	28.869	858	8.835
41	29.013	861	8.874
41	29.157	864	8.913
41	29.301	867	8.952
41	29.445	870	8.991
41	29.589	873	9.030
41	29.733	876	9.069
41	29.877	879	9.108
41	30.021	882	9.147
41	30.165	885	9.186
41	30.309	888	9.225
41	30.453	891	9.264
41	30.597	894	9.303
41	30.741	897	9.342
41	30.885	900	9.381
41	31.029	903	9.420
41	31.173	906	9.459
41	31.317	909	9.498
41	31.461	912	9.537
41	31.605	915	9.576
41	31.749	918	9.615
41	31.893	921	9.654
41	32.037	924	9.693
41	32.181	927	9.732
41	32.325	930	9.771
41	32.469	933	9.810
41	32.613	936	9.849
41	32.757	939	9.888
41	32.901	942	9.927
41	33.045	945	9.966
41	33.189	948	10.005
41	33.333	951	10.044
41	33.477	954	10.083
41	33.621	957	10.122
41	33.765	960	10.161
41	33.909	963	10.200
41	34.053	966	10.239
41	34.197	969	10.278
41	34.341	972	10.317
41	34.485	975	10.356
41	34.629	978	10.395
41	34.773	981	10.434
41	34.917	984	10.473
41	35.061	987	10.512
41	35.205	990	10.551
41	35.349	993	10.590
41	35.493	996	10.629
41	35.637	999	10.668
41	35.781	1002	10.707
41	35.925	1005	10.746
41	36.069	1008	10.785
41	36.213	1011	10.824
41	36.357	1014	10.863
41	36.501	1017	10.902
41	36.645	1020	10.941
41	36.789	1023	10.980
41	36.933	1026	11.019
41	37.077	1029	11.058
41	37.221	1032	11.097
41	37.365	1035	11.136
41	37.509	1038	11.175
41	37.653	1041	11.214
41	37.797	1044	11.253
41	37.941	1047	11.292
41	38.085	1050	11.331
41	38.229	1053	11.370
41	38.373	1056	11.409
41	38.517	1059	11.448
41	38.661	1062	11.487
41	38.805	1065	11.526
41	38.949	1068	11.565
41	39.093	1071	11.604
41	39.237	1074	11.643
41	39.381	1077	11.682
41	39.525	1080	11.721
41	39.669	1083	11.760
41	39.813	1086	11.799
41	39.957	1089	11.838
41	40.101	1092	11.877
41	40.245	1095	11.916
41	40.389	1098	11.955
41	40.533	1101	11.994
41	40.677	1104	12.033
41	40.821	1107	12.072
41	40.965	1110	12.111
41	41.109	1113	12.150
41	41.253	1116	12.189
41	41.397	1119	12.228
41	41.541	1122	12.267
41	41.685	1125	12.306
41	41.829	1128	12.345
41	41.973	1131	12.384
41	42.117	1134	12.423