



Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z776

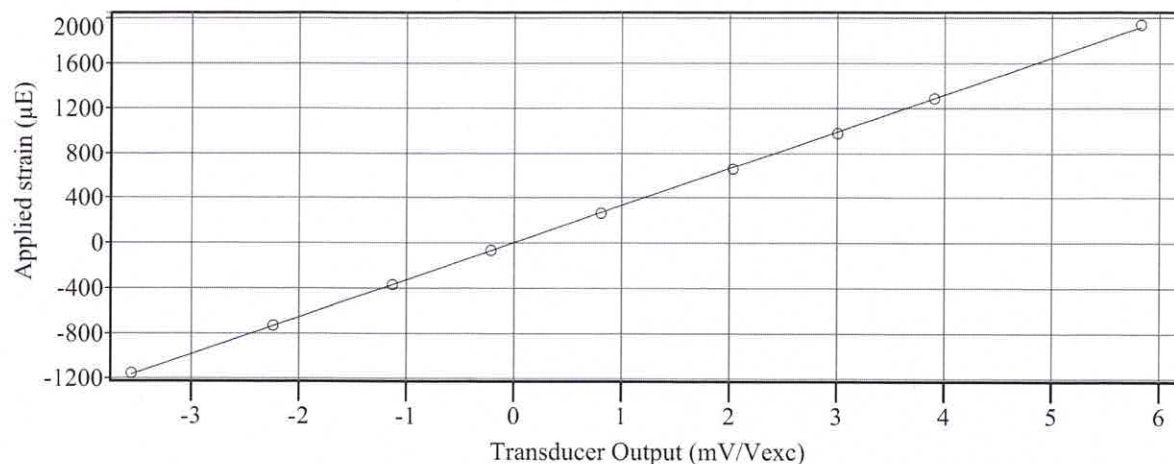
PDI Gage Factor: 95.0

Mean Linear Correlation Coefficient: 0.999853

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1154.9	-3.556	656.2	2.032
-728.3	-2.239	977.7	3.005
-367.5	-1.130	1288.3	3.905
-65.6	-0.214	1942.3	5.826
262.5	0.806		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

Signature: Paul Hartman

PDI Gage: Z776

Calibration Date: APR 05 2024





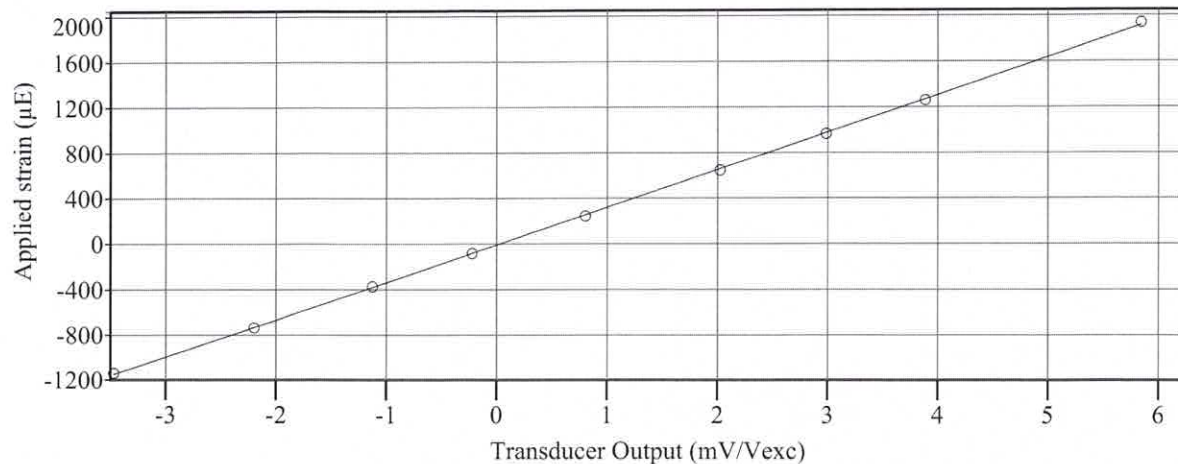
Certificate of Calibration

Pile Dynamics, Inc.
Transducer Model: PDI Strain Transducer
Serial Number: Z777
PDI Gage Factor: 95.1
Mean Linear Correlation Coefficient: 0.999862

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1141.7	-3.471	643.0	2.023
-734.9	-2.197	964.6	2.987
-374.0	-1.124	1259.8	3.885
-85.3	-0.222	1935.7	5.844
242.8	0.803		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

Signature: _____

Paul Hartman

PDI Gage: Z777

Calibration Date: **APR 05 2024**





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z778

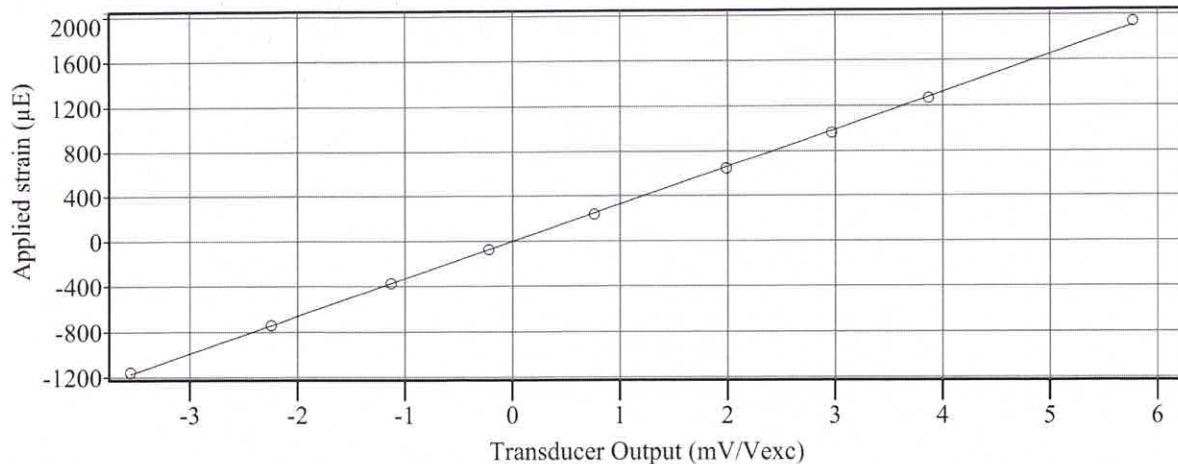
PDI Gage Factor: 95.5

Mean Linear Correlation Coefficient: 0.999712

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1157.0	-3.552	643.0	1.988
-741.5	-2.244	964.6	2.968
-374.0	-1.130	1266.4	3.870
-72.2	-0.220	1942.3	5.771
238.4	0.758		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

Signature: _____

Paul Hartman

PDI Gage: Z778

Calibration Date: APR 05 2024



Accelerometer Calibration Certificate

Pile Dynamics, Inc.



Calibrated by Pile Dynamics, Inc.

Calibration performed on

APR 05 2024

Serial No: K13921 Temperature: 22.1 °C

Model: PR Humidity: 30%

Calibrated on: Channel 4 on 8G 5161 LE

PDA CALIBRATION FACTOR

351.1 mv/5000g

(70.2 μ v/g)

R²: 0.999960 [Chip programmed]

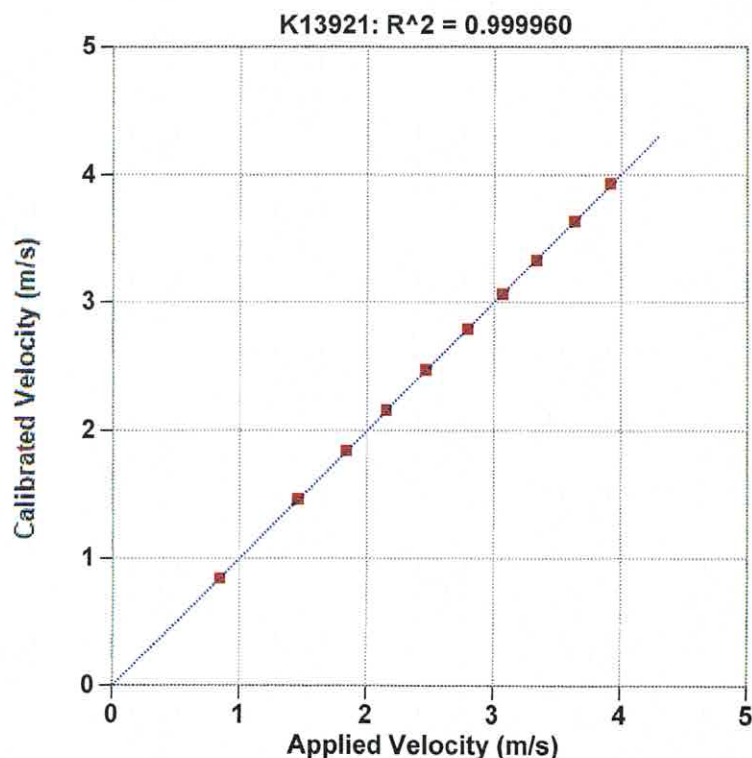
Operator: William Johnson

Ref Acc 1: 72505! Cal on: 12Apr2022
1035 g's/volt

Ref Acc 2: 72517! Cal on: 12Apr2022
1049 g's/volt

Reference accelerometer calibrations are traceable to the United States National Institute of Standards and Technology (NIST).

Signed 



Reference Velocity	S/N K13921 Velocity
m/s	m/s
0.839	0.836
1.456	1.460
1.834	1.837
2.154	2.155
2.468	2.468
2.793	2.786
3.067	3.064
3.339	3.328
3.635	3.636
3.918	3.930

Maximum Acceleration: 837 g's

Accelerometer Calibration Certificate

Pile Dynamics, Inc.



Calibrated by Pile Dynamics, Inc.
Calibration performed on

APR 05 2024

Serial No: K13930 Temperature: 22.1 °C

Model: PR Humidity: 30%

Calibrated on: Channel 3 on 8G 5161 LE

PDA CALIBRATION FACTOR

376.8 mv/5000g

(75.4 μ v/g)

R²: 0.999962 [Chip programmed]

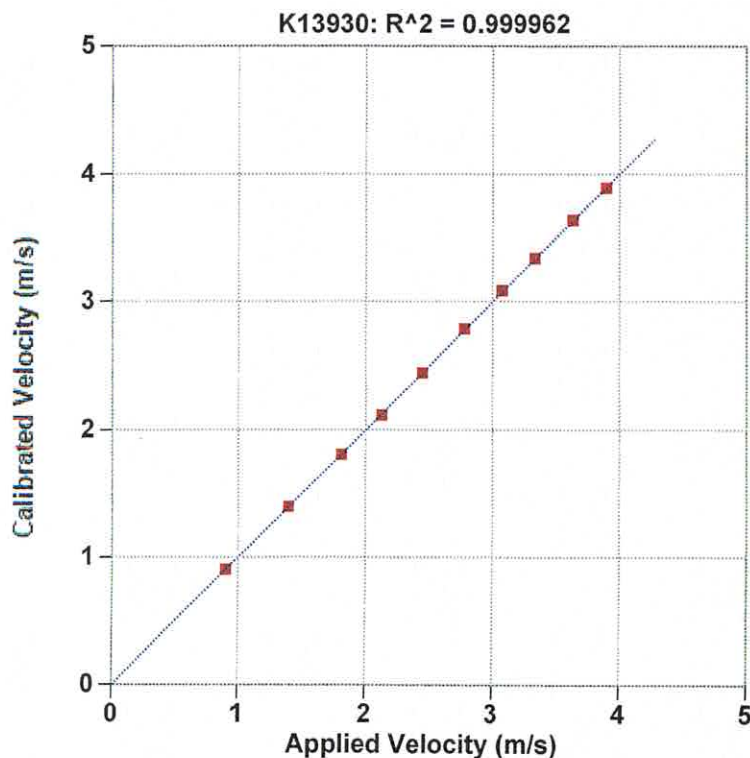
Operator: William Johnson

Ref Acc 1: 72505! Cal on: 12Apr2022
1035 g's/volt

Ref Acc 2: 72517! Cal on: 12Apr2022
1049 g's/volt

Reference accelerometer calibrations are traceable to
the United States National Institute of Standards and
Technology (NIST).

Signed



Reference Velocity	S/N K13930 Velocity
m/s	m/s
0.904	0.903
1.398	1.399
1.810	1.805
2.126	2.115
2.447	2.444
2.781	2.787
3.073	3.084
3.335	3.337
3.634	3.636
3.895	3.890

Maximum Acceleration: 830 g's



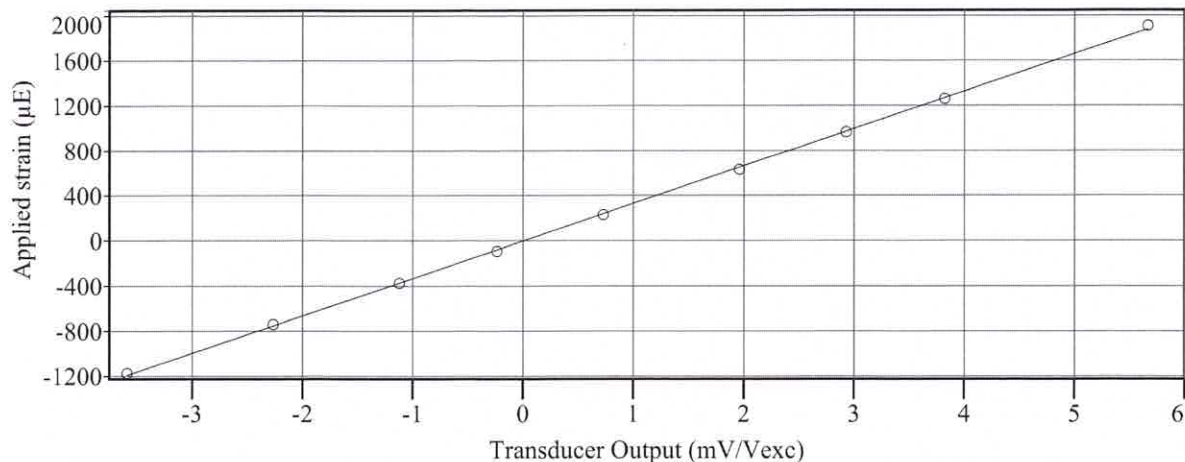
Certificate of Calibration

Pile Dynamics, Inc.
Transducer Model: PDI Strain Transducer
Serial Number: Z779
PDI Gage Factor: 95.8
Mean Linear Correlation Coefficient: 0.999724

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1174.5	-3.591	629.9	1.960
-741.5	-2.265	962.4	2.930
-374.0	-1.121	1259.8	3.823
-91.9	-0.235	1909.4	5.665
229.7	0.726		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

Signature: _____

Paul Hartman

PDI Gage: Z779

APR 08 2024

Calibration Date: _____





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z795

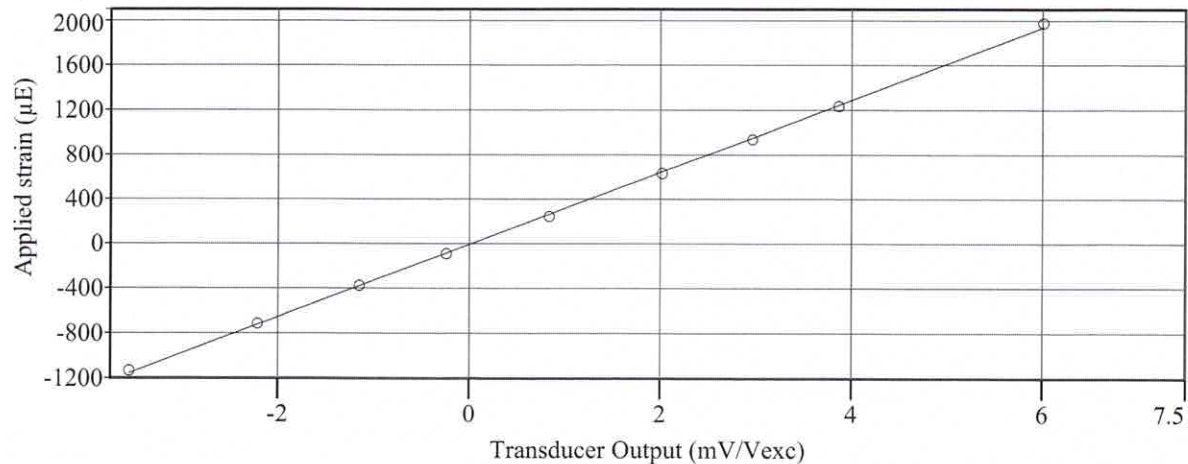
PDI Gage Factor: 93.5

Mean Linear Correlation Coefficient: 0.999618

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1135.2	-3.555	629.9	2.017
-715.2	-2.211	938.3	2.962
-378.4	-1.148	1233.6	3.866
-91.9	-0.241	1975.1	6.008
242.8	0.837		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

PDI Gage: Z795

Calibration Date: _____

Signature: _____

Paul Hartman

APR 08 2024





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z796

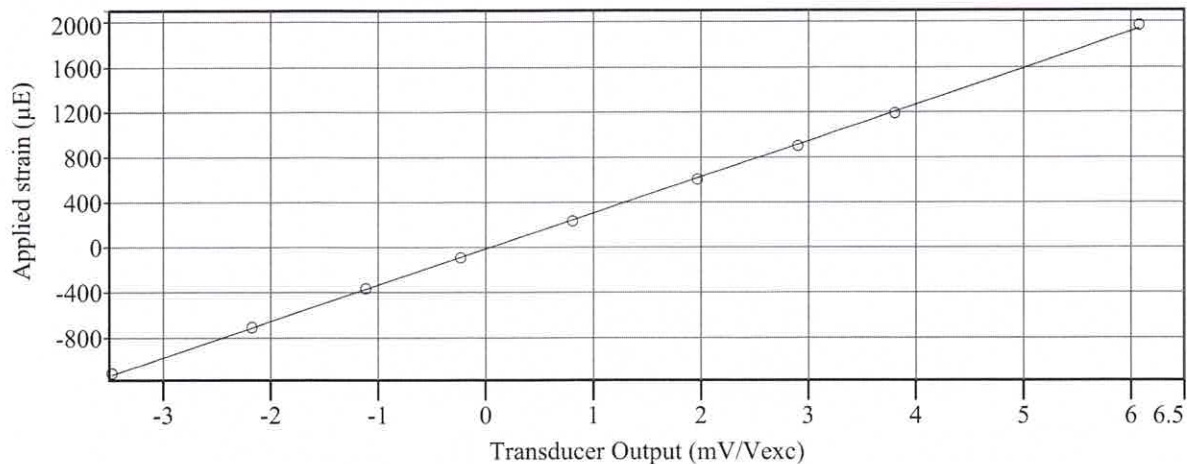
PDI Gage Factor: 92.7

Mean Linear Correlation Coefficient: 0.999764

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1115.5	-3.475	603.7	1.966
-708.7	-2.173	905.5	2.903
-367.5	-1.114	1192.0	3.804
-94.1	-0.235	1966.3	6.076
236.2	0.807		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

Signature:

Paul Hartman

PDI Gage: Z796

Calibration Date: APR 08 2024





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z797

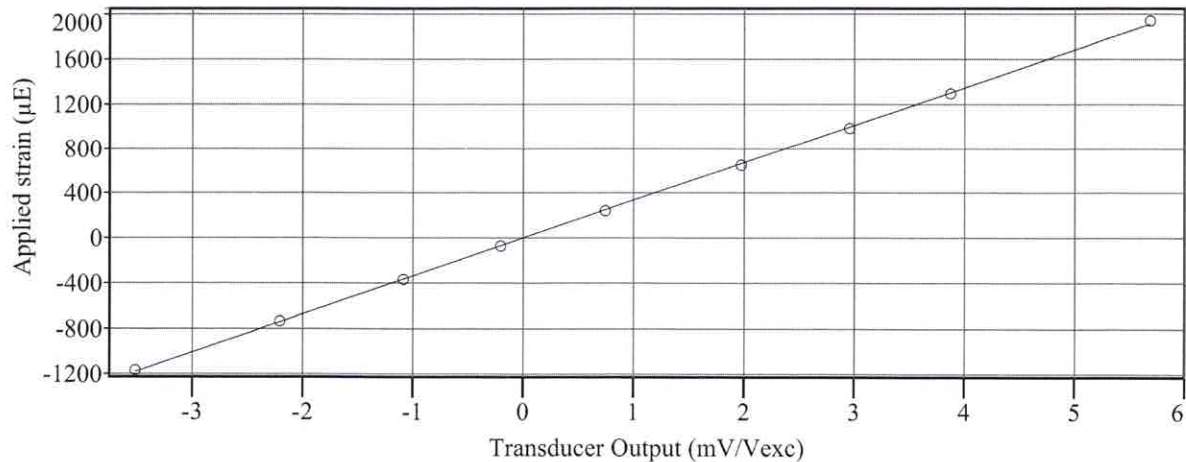
PDI Gage Factor: 97.2

Mean Linear Correlation Coefficient: 0.999799

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1168.0	-3.518	651.8	1.974
-734.9	-2.207	984.3	2.957
-367.5	-1.088	1294.8	3.873
-70.0	-0.204	1942.3	5.682
242.8	0.741		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

Signature: _____

Paul Hartman

PDI Gage: Z797

APR 08 2024

Calibration Date: _____





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z798

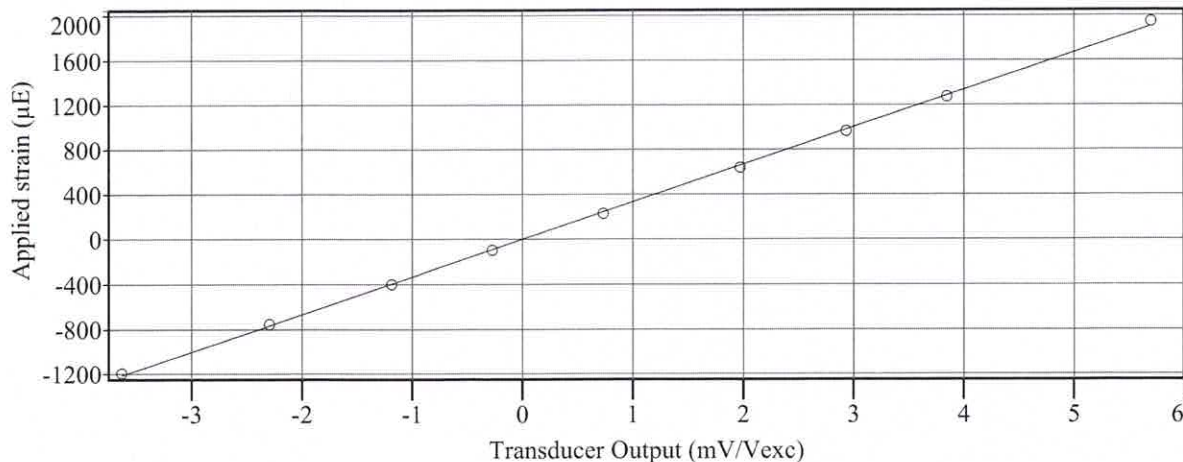
PDI Gage Factor: 96.5

Mean Linear Correlation Coefficient: 0.999569

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1194.2	-3.633	636.5	1.971
-754.6	-2.295	964.6	2.934
-400.3	-1.186	1273.0	3.847
-98.4	-0.272	1946.6	5.698
229.7	0.730		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

Signature: _____

Paul Hartman

PDI Gage: Z798

APR 08 2024

Calibration Date: _____





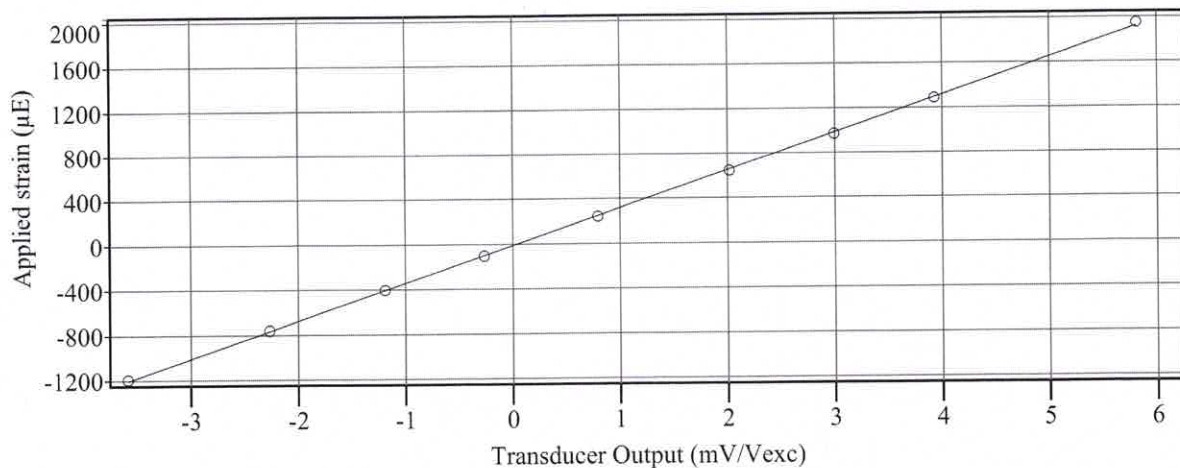
Certificate of Calibration

Pile Dynamics, Inc.
Transducer Model: PDI Strain Transducer
Serial Number: Z799
PDI Gage Factor: 96.1
Mean Linear Correlation Coefficient: 0.999818

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1194.2	-3.586	643.0	2.017
-759.0	-2.265	971.1	2.995
-406.8	-1.189	1286.1	3.928
-105.0	-0.263	1948.8	5.812
242.8	0.791		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

PDI Gage: Z799

Calibration Date: _____

Signature: _____

APR 08 2024

Paul Hartman





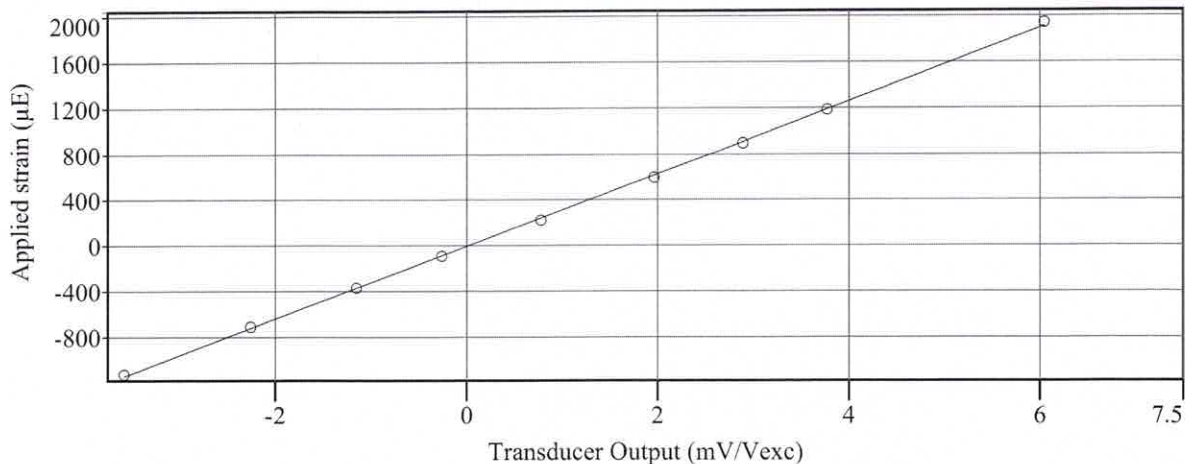
Certificate of Calibration

Pile Dynamics, Inc.
Transducer Model: PDI Strain Transducer
Serial Number: Z790
PDI Gage Factor: 91.5
Mean Linear Correlation Coefficient: 0.999690

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1122.0	-3.582	597.1	1.962
-708.7	-2.257	899.0	2.888
-367.5	-1.151	1187.7	3.772
-91.9	-0.259	1942.3	6.046
223.1	0.779		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

PDI Gage: Z790

Calibration Date: _____

Signature: 
APR 09 2024





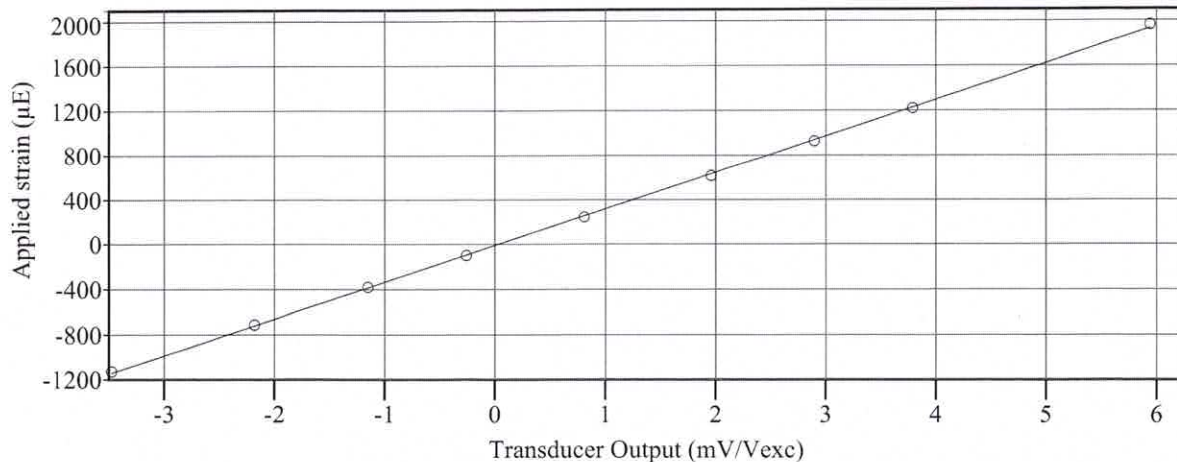
Certificate of Calibration

Pile Dynamics, Inc.
Transducer Model: PDI Strain Transducer
Serial Number: Z791
PDI Gage Factor: 94.3
Mean Linear Correlation Coefficient: 0.999742

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1128.6	-3.476	612.4	1.959
-710.8	-2.180	925.2	2.896
-380.6	-1.152	1220.5	3.789
-98.4	-0.260	1961.9	5.942
242.8	0.808		

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1000HA
Firmware version number:	0.9.0.0
Transducer Gage Length:	3 inches (76.2mm)
Excitation Voltage for Calibration:	5.0 VDC

PDI certifies the above STCS instrument meets or exceeds published specifications and has been verified using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST), an accepted value of a natural physical constant or a ratio calibration technique.

Calibrated By: Paul Hartman

PDI Gage: Z791

Calibration Date: _____

APR 09 2024

Signature: _____

Paul Hartman

