



Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: X051

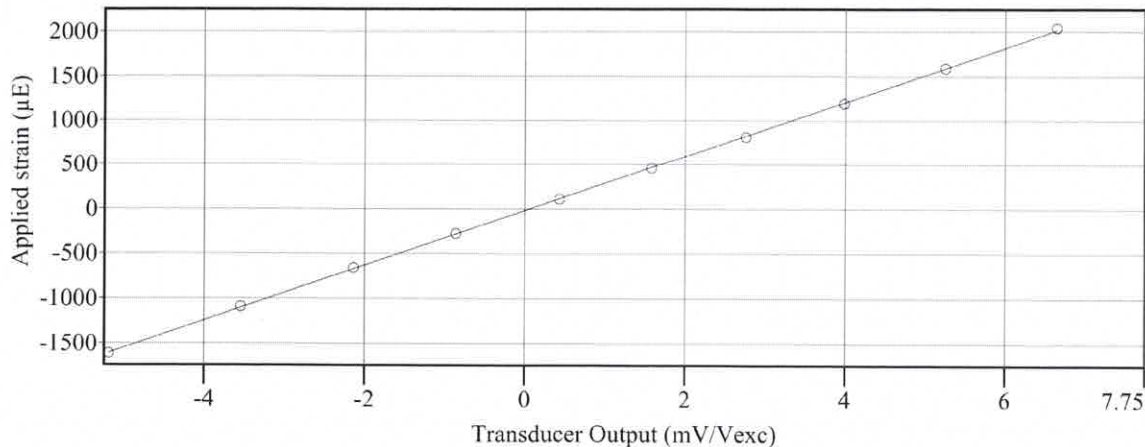
PDI Gage Factor: 88.5

Mean Linear Correlation Coefficient: 0.999886

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1616.7	-5.195	458.3	1.582
-1091.7	-3.547	816.7	2.760
-658.3	-2.141	1191.7	3.987
-277.8	-0.863	1591.7	5.252
108.3	0.427	2041.7	6.641

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1006HA
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: VANNA OUK

Signature: _____

PDI Gage: X051

APR 04 2024

Calibration Date: _____





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: X050

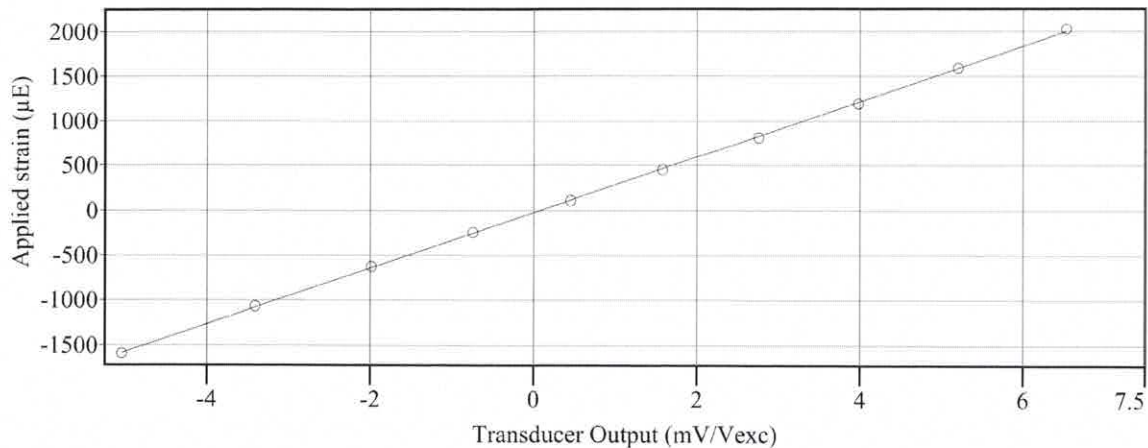
PDI Gage Factor: 89.5

Mean Linear Correlation Coefficient: 0.999841

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1591.7	-5.045	450.0	1.578
-1066.7	-3.411	816.7	2.758
-625.0	-1.986	1191.7	3.975
-241.7	-0.741	1591.7	5.201
108.3	0.452	2025.0	6.530

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1006HA
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: VANNA OUK

PDI Gage: X050

Calibration Date: _____

Signature: _____

APR 04 2024





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z568

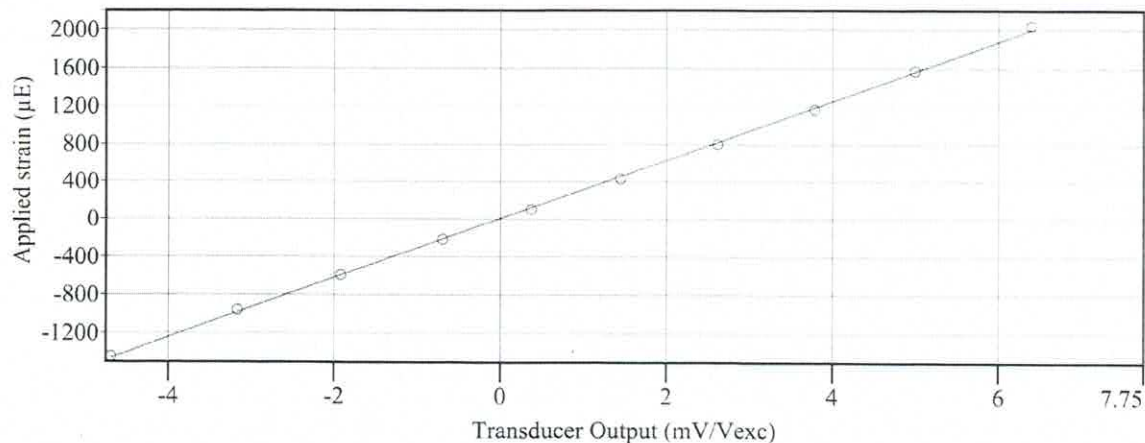
PDI Gage Factor: 90.1

Mean Linear Correlation Coefficient: 0.999611

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1441.7	-4.690	433.3	1.449
-958.3	-3.169	800.0	2.613
-591.7	-1.919	1166.7	3.783
-216.7	-0.699	1572.2	4.996
100.0	0.371	2041.7	6.398

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number: 1006HA
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: Vanna Ouk

Signature: _____

PDI Gage: Z568

Calibration Date: APR 03 2024



Accelerometer Calibration Certificate

Pile Dynamics, Inc.



Calibrated by Pile Dynamics, Inc.
Calibration performed on

APR 03 2024

Serial No: 78288 Temperature: 22.8 °C

Model: PE Humidity: 29%

Calibrated on: Channel 4 on 8G 5161 LE

PDA CALIBRATION FACTOR

1003.1 g's/volt

R²: 0.999973 [Chip programmed]

Operator: William Johnson

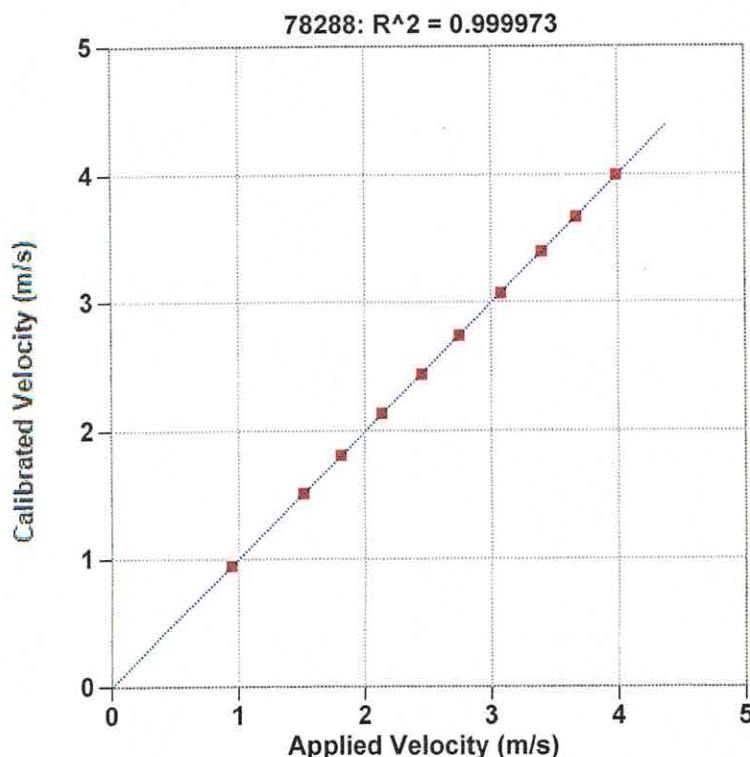
Ref Acc 1: 72505! Cal on: 05Apr2022
1035 g's/volt

Ref Acc 2: 72517! Cal on: 05Apr2022
1049 g's/volt

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

William Johnson

Signed



Reference Velocity	S/N 78288 Velocity
m/s	m/s
0.942	0.942
1.513	1.513
1.805	1.810
2.131	2.135
2.446	2.437
2.745	2.739
3.074	3.071
3.396	3.396
3.672	3.671
3.987	3.995
Maximum Acceleration: 854 g's	



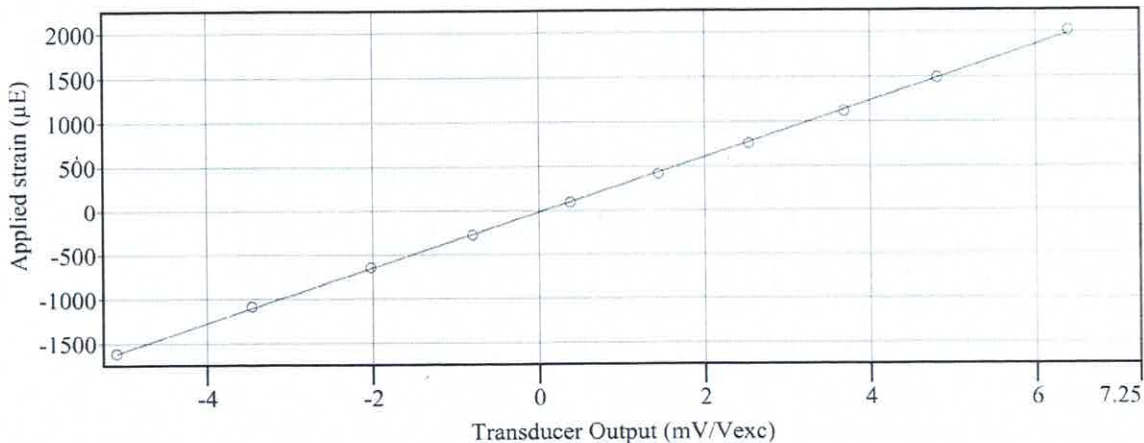
Certificate of Calibration

Pile Dynamics, Inc.
Transducer Model: PDI Strain Transducer
Serial Number: Z566
PDI Gage Factor: 90.5
Mean Linear Correlation Coefficient: 0.999744

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1616.7	-5.094	408.3	1.446
-1083.3	-3.462	758.3	2.537
-641.7	-2.028	1116.7	3.683
-275.0	-0.797	1491.7	4.808
91.7	0.378	2016.7	6.392

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number:	1006HA
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: Vanna Ouk

Signature: _____

PDI Gage: Z566

Calibration Date:

APR 04 2024





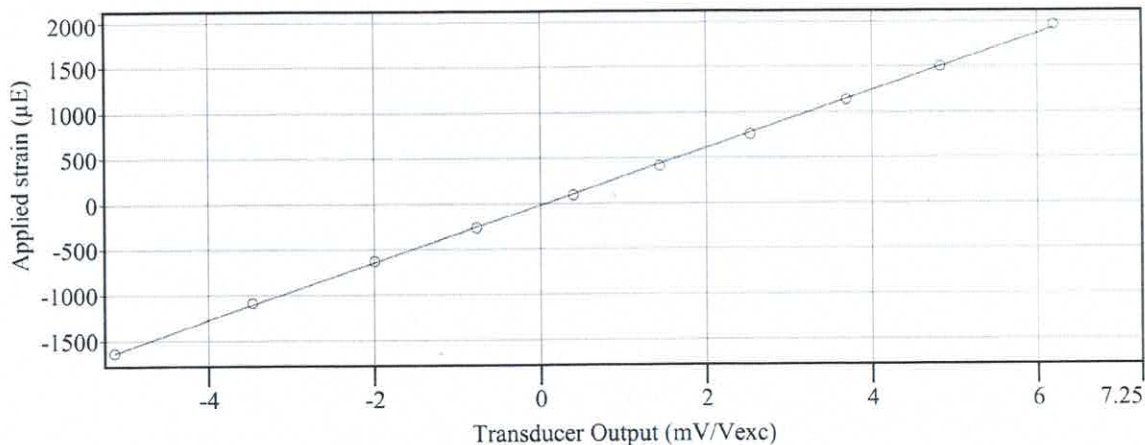
Certificate of Calibration

Pile Dynamics, Inc.
Transducer Model: PDI Strain Transducer
Serial Number: Z567
PDI Gage Factor: 90.9
Mean Linear Correlation Coefficient: 0.999723

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1633.3	-5.140	408.3	1.442
-1091.7	-3.470	758.3	2.537
-633.3	-1.999	1133.3	3.692
-266.7	-0.765	1500.0	4.830
91.7	0.396	1966.7	6.197

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

PDI STCS Serial Number: 1006HA
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: Vanna Ouk

Signature: _____

PDI Gage: Z567

Calibration Date:

APR 04 2024





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z569

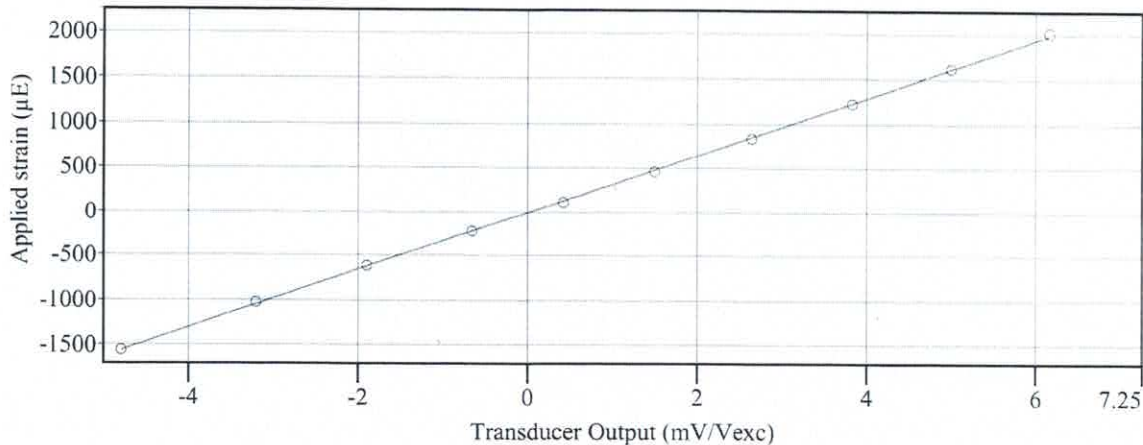
PDI Gage Factor: 93.6

Mean Linear Correlation Coefficient: 0.999796

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1558.3	-4.794	458.3	1.500
-1025.0	-3.205	833.3	2.647
-616.7	-1.895	1225.0	3.827
-225.0	-0.654	1616.7	4.997
108.3	0.421	2016.7	6.159

Calibration Curve



PDI Strain Transducer Calibration System (PDI STCS)

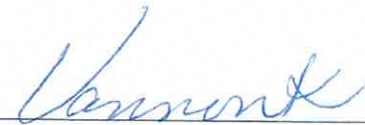
PDI STCS Serial Number: 1006HA
Firmware version number: 0.9.0.0
Transducer Gage Length: 3 inches (76.2mm)
Excitation Voltage for Calibration: 5.0 VDC

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: Vanna Ouk

PDI Gage: Z569

Calibration Date:

Signature: 

APR 04 2024





Certificate of Calibration

Pile Dynamics, Inc.

Transducer Model: PDI Strain Transducer

Serial Number: Z571

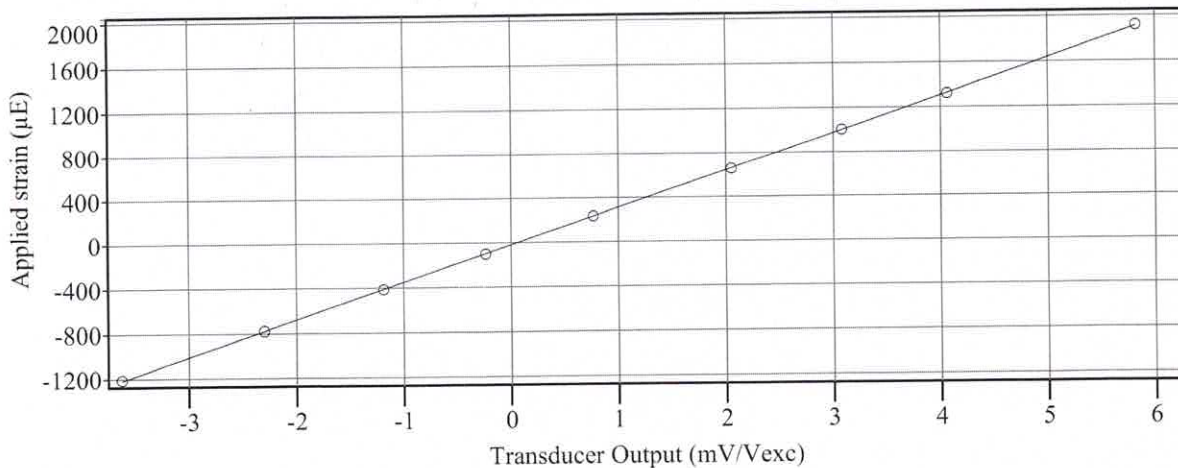
PDI Gage Factor: 97.1

Mean Linear Correlation Coefficient: 0.999980

Table 1: Representative Calibration Data

Applied strain (μE)	Gage Output (mV/Vexc)	Applied strain (μE)	Gage Output (mV/Vexc)
-1213.9	-3.626	656.2	2.051
-780.8	-2.299	1003.9	3.080
-413.4	-1.187	1321.1	4.063
-98.4	-0.235	1916.0	5.818
236.2	0.766		

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: Z571

APR 04 2024

Calibration Date: _____



Accelerometer Calibration Certificate

Pile Dynamics, Inc.



Calibrated by Pile Dynamics, Inc.

Calibration performed on

APR 04 2024

Serial No: K13895 Temperature: 23.5 °C

Model: PR Humidity: 28%

Calibrated on: Channel 3 on 8G 5161 LE

PDA CALIBRATION FACTOR

380.0 mv/5000g

(76.0 μ v/g)

R²: 0.999935 [Chip programmed]

Operator: William Johnson

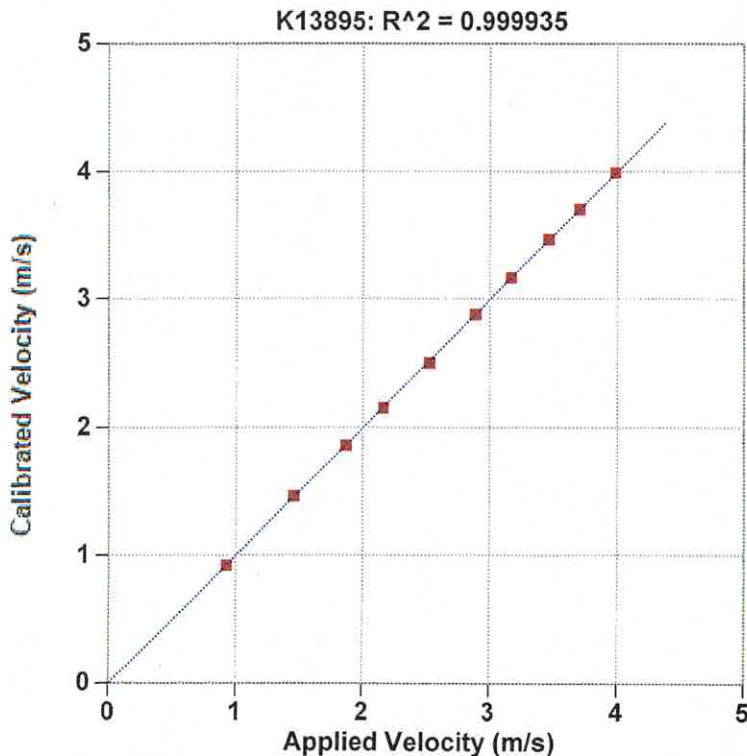
Ref Acc 1: 72505!
1035 g's/volt Cal on: 05Apr2022

Ref Acc 2: 72517!
1049 g's/volt Cal on: 05Apr2022

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

William Johnson

Signed



Reference Velocity	S/N K13895 Velocity
m/s	m/s
0.922	0.918
1.454	1.461
1.864	1.860
2.162	2.153
2.521	2.504
2.882	2.882
3.166	3.167
3.462	3.467
3.701	3.701
3.982	3.993
Maximum Acceleration: 856 g's	

Accelerometer Calibration Certificate

Pile Dynamics, Inc.



Calibrated by Pile Dynamics, Inc.

Calibration performed on

APR 04 2024

Serial No: K13900 Temperature: 23.8 °C

Model: PR Humidity: 28%

Calibrated on: Channel 3 on 8G 5161 LE

PDA CALIBRATION FACTOR

392.5 mv/5000g

(78.5 μ v/g)

R²: 0.999954 [Chip programmed]

Operator: William Johnson

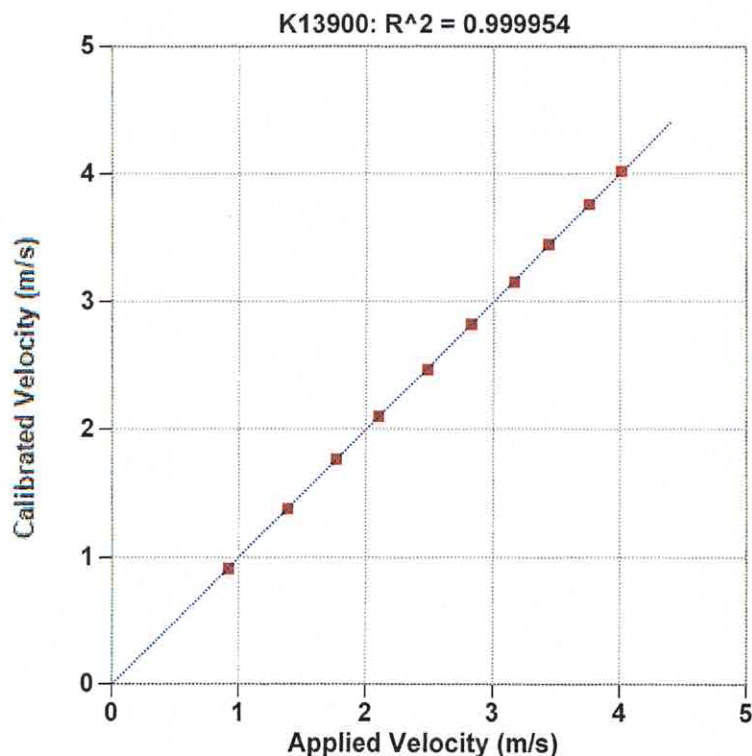
Ref Acc 1: 72505! Cal on: 05Apr2022
1035 g's/volt

Ref Acc 2: 72517! Cal on: 05Apr2022
1049 g's/volt

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

William Johnson

Signed



Reference Velocity	S/N K13900 Velocity
m/s	m/s
0.916	0.911
1.381	1.376
1.761	1.764
2.098	2.100
2.482	2.473
2.826	2.823
3.167	3.154
3.440	3.444
3.754	3.758
4.006	4.018
Maximum Acceleration: 862 g's	

Accelerometer Calibration Certificate

Pile Dynamics, Inc.



Calibrated by Pile Dynamics, Inc.
Calibration performed on

APR 04 2024

Serial No: K13896 Temperature: 23.5 °C

Model: PR Humidity: 28%

Calibrated on: Channel 3 on 8G 5161 LE

PDA CALIBRATION FACTOR

363.3 mv/5000g

(72.7 μ v/g)

R²: 0.999965 [Chip programmed]

Ref Acc 1: 72505! Cal on: 05Apr2022
1035 g's/volt

Ref Acc 2: 72517! Cal on: 05Apr2022
1049 g's/volt

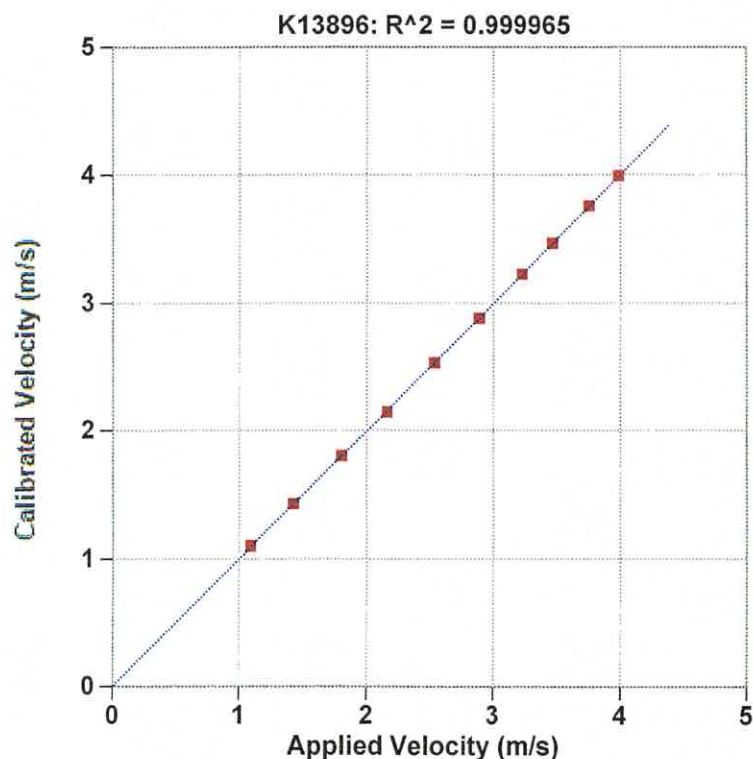
Operator: William Johnson

William Johnson

Signed



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



Reference Velocity	S/N K13896 Velocity
m/s	m/s
1.090	1.100
1.429	1.429
1.802	1.801
2.157	2.146
2.532	2.528
2.884	2.881
3.226	3.226
3.467	3.466
3.752	3.758
3.985	3.990
Maximum Acceleration: 858 g's	

Accelerometer Calibration Certificate

Pile Dynamics, Inc.



Calibrated by Pile Dynamics, Inc.
Calibration performed on

APR 04 2024

Serial No: K13893 Temperature: 23.8 °C
Model: PR Humidity: 28%
Calibrated on: Channel 4 on 8G 5161 LE

PDA CALIBRATION FACTOR

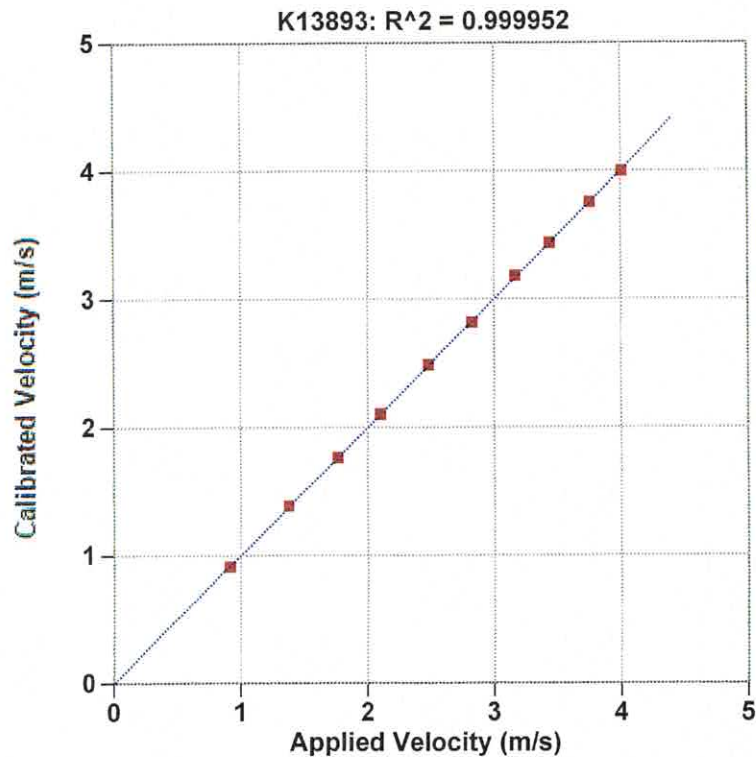
361.9 mv/5000g
(72.4 μv/g)
R^2: 0.999952 [Chip programmed]

Ref Acc 1: 72505! Cal on: 05Apr2022
1035 g's/volt
Ref Acc 2: 72517! Cal on: 05Apr2022
1049 g's/volt

Operator: William Johnson


Signed

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



Reference Velocity	S/N K13893 Velocity
m/s	m/s
0.916	0.907
1.381	1.384
1.761	1.761
2.098	2.100
2.482	2.484
2.826	2.816
3.167	3.181
3.440	3.441
3.754	3.756
4.006	3.999

Maximum Acceleration: 862 g's