

Calibration Certificate

10310 Aerohub Blvd
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Model: 086D20
Serial: 47621
ID:
Manufacturer: PCB
Description: Impulse Hammer

Customer: Penn State University

Bias: 10.8 Vdc

Reference Equipment

Model	Serial	Manufacturer	Description	Cal Due
PCI-4461	1D83333	National Instruments	Data Acquisition	4-Nov-22
353B04	LW226893	PCB	Reference Sensor	31-May-23
9967C01	10	TMS	Mass	30-Jun-23

Sensitivity:

Impact Tips	Without Extender (Nominal +/- 15%)		With Extender (for reference only)	
	mV/lbf	mV/N	mV/lbf	mV/N
Grey	1.12	0.25	n/a	n/a
Brown	1.10	0.25	n/a	n/a
Red	1.12	0.25	n/a	n/a
Black	1.14	0.26	n/a	n/a

Condition of Unit:

As found: In Tolerance
As left: In Tolerance

Notes:

- Calibration is NIST Traceable thru Projects SHP-022 & TA-333 and to Physikalisch-Technische Bundesanstalt (PTB) through Projecta 17014 & 17004.
- Estimate of measurement uncertainty is +/-2.5% (approximately 95% confidence level).
- This Certificate may not be reproduced, except in full, without written permission from The Modal Shop, Inc.
- The results relate only to the items tested or calibrated.
- See manufacturer's specification sheet for a detailed listing of performance specifications.
- Calibrated per procedure PRD-P203.
- Ratio method used for calibration.
- The Cal Date with Time Stamp is the unique Report Number

Cal Date: 07/25/2022-11:49:03
Due Date:
Technician: Ed Devlin
Approval: *Ed Devlin*



Certificate # 2649.01
Calibration Lab

Temperature: 73 °F
22.78 °C
Humidity: 59.4 %