

Model Number 5802AT	PERFORMANCE SPECIFICATION	PERFORMANCE SPECIFICATION	
	IMPULSE HAMMER		REV D, ECN 14056, 03/06/18



PHYSICAL Weight Length	Head
Connector	Type
Material	Thread Location Force Sensor Hammer Head
Sensing Element	Handle Impact Tips Material Mode
PERFORMANCE Sensitivity, ± 10 % Range	
Maximum Force	

Linearity [3] Resonant Frequency

ELECTRICAL Output Voltage F.S Output Impedance, Max [4]

Bias Voltage

TEDS Feature

ENVIRONMENTAL Operating Temperature

Stiffness, Force Sensor

Compliance Voltage Range [2]

Supply Current Range [2] Discharge Time Constant, Nom

ENGLIS	Н
	_
3.0	lbs
15	in.
Coaxial	
BNC	
End	
17-4 PH SS	
Cast Steel	
Wood	
Polyurethane	
Quartz	
Compression	
-	-

1	mV/LbF
5,000	Lbs. Force
10,000	Lbs. Force
± 1	% Full Scale
75	kHz
42	Lb/μin

	_
±5	V
100	Ω
7.5 to 9.5	VDC
+18 to +30	VDC
2 to 20	mA
>1500	Sec
IEEE 1451.4	
	-

-40 to +151	٥F

1.36	kg
38	cm
Coaxial	
BNC	
End	
17-4 PH SS	
Cast Steel	
Wood	
Polyurethane	
Quartz	
Compression	
•	•
0.25	mV/N
22.2	kN
44.5	kN
± 1	% Full Scale
75	kHz

±5	V
100	Ω
7.5 to 9.5	VDC
+18 to +30	VDC
2 to 20	mA
>1500	Sec
IEEE 1451.4	

7.28

-40 to +151	°F	-40 to +66	°C

Supplied Accessories:

- 1) Series 6251 Impact Tips: SEE TABLE →
- 2) Accredited calibration certificate (ISO 17025)

Hardness: Part #: Color: 6251S Brown Soft 6251M Green Medium 6251T Red Tough 6251H Black

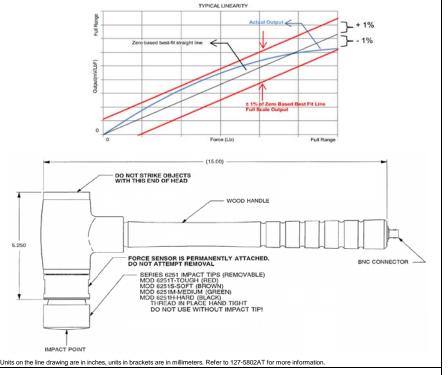
Excitation: ♠ Lower Frequency

Hard ★ Higher Frequency

Suggested Accessories

- 1) Constant Current Power Source Units:
 - 4105C: Battery Powered
 - 4114B1: Line Operated
- 2) Compatible Cables:
 - 6020AXX: BNC to BNC connection
 - 6011AXX: BNC to 10-32 connection
 - 6113: 10-32 to BNC adaptor

- [1] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [2] Supply power from constant current source power sources only. Do not use with power supply without current limiting, 20mA maximum. To do so will destroy built-in amplifier.
- [3] Percent of full scale or any lesser range, Zero based best-fit straight line method.
- [4] Do not attempt to measure the resistance at the BNC connector. Many Ohm meters will provide a test voltage with high enough current to destroy the built-in IC.





kN/µm