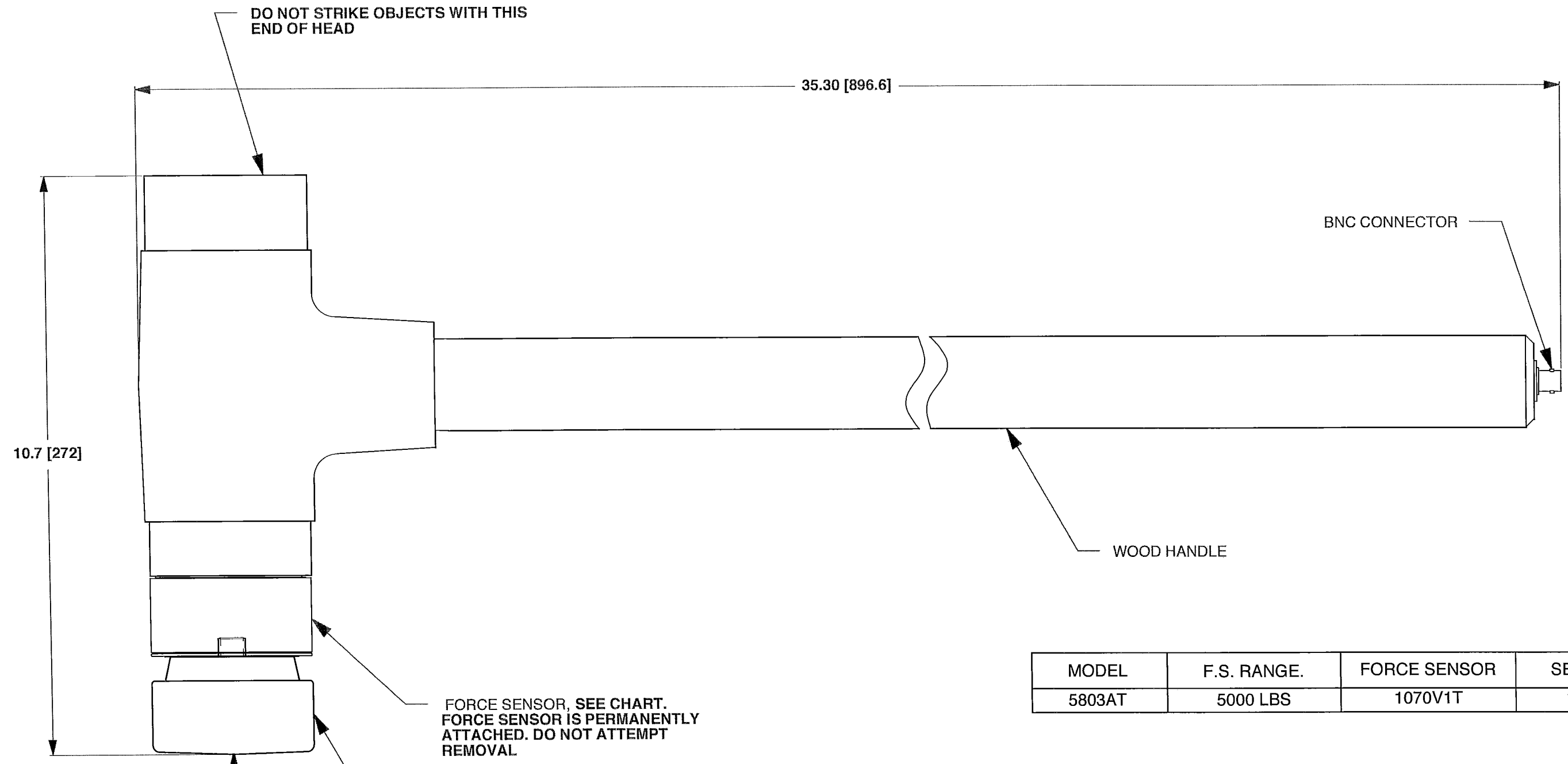



REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10421	INITIAL RELEASE	AB 09/25/13	LN	DN




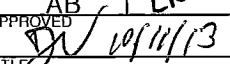
MODEL	F.S. RANGE.	FORCE SENSOR	SENSITIVITY
5803AT	5000 LBS	1070V1T	1 mV/LbF

SERIES 6252 IMPACT TIPS 
 MOD 6252S - SOFT (BROWN)
 MOD 6252T - TOUGH (RED)
 MOD 6252M - MEDIUM (GREEN)
 MOD 6252H - HARD (BLACK)

IMPACT POINT 

2. HEAD WEIGHT - 12 LB. NOM.

 NEVER USE HAMMER WITHOUT AND IMPACT TIP ATTACHED TO THE FRONT SURFACE OF THE SENSOR AS SHOWN. THIS WILL PERMANENTLY DAMAGE THE SENSOR.

		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	1/2	REV	DATE	ECN	
DATE	09/25/13	PART NO.	5803AT		
DRAWN	AB	CHECKED	LN		
APPROVED			NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL SERIES 5803AT IMPULSE HAMMERS				127-5803AT	
SHEET 1 OF 1					

Model Number 5803AT	PERFORMANCE SPECIFICATION		Doc No PS5803AT
	IMPULSE HAMMER		REV B, ECN 13278, 02/22/17



- ACCELERATION COMPENSATED
- EXCELLENT LINEARITY
- INTERCHANGABLE IMPACT TIPS
- TEDS FEATURE

Supplied Accessories:

- 1) Series 6252 Impact Tips: SEE TABLE →
- 2) Accredited calibration certificate (ISO 17025)

Part #:	Color:	Hardness:
6252S	Brown	Soft
6252M	Green	Medium
6252T	Red	Tough
6252H	Black	Hard

Excitation:
 ↑ Lower Frequency
 ↓ 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

Notes:

- [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.

PHYSICAL

Weight	Head
Length	Type
Connector	Thread
	Location
Material	Force Sensor
	Hammer Head
	Handle
	Impact Tips
Sensing Element	Material
	Mode

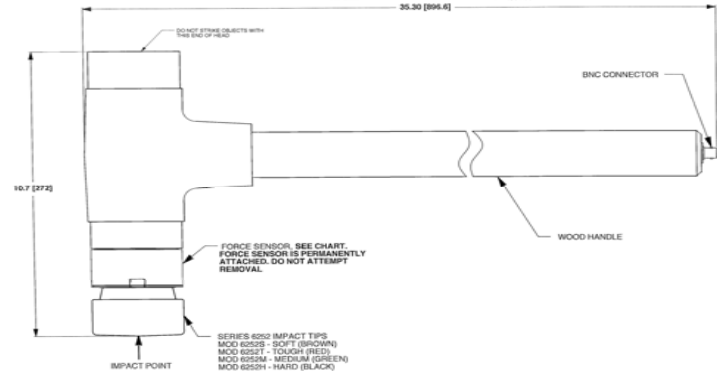
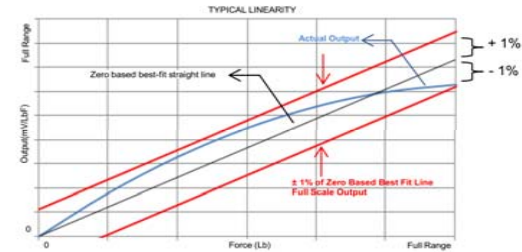
ENGLISH		SI	
12.0	lbs	5.44	kg
35.3	in.	89.66	cm
Coaxial		Coaxial	
BNC		BNC	
End		End	
17-4 PH SS		17-4 PH SS	
Cast Steel		Cast Steel	
Wood		Wood	
Polyurethane		Polyurethane	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

Sensitivity, ± 10 %	1	mV/LbF	0.25	mV/N
Range	5,000	Lbs. Force	22.2	kN
Maximum Force	10,000	Lbs. Force	44.5	kN
Linearity [3]	± 1	% Full Scale	± 1	% Full Scale
Resonant Frequency	75	kHz	75	kHz
Stiffness	110	Lb/μin	19.06	kN/μm

ELECTRICAL

Output Voltage F.S	±5	V	±5	V
Output Impedance, Max [4]	100	Ω	100	Ω
Bias Voltage	+7.5 to +9.5	VDC	+7.5 to +9.5	VDC
Compliance Voltage Range [2]	+18 to +30	VDC	+18 to +30	VDC
Supply Current Range [2]	2 to 20	mA	2 to 20	mA
Discharge Time Constant	>1600	Sec	>1600	Sec
TEDS Feature	IEEE 1451.4		IEEE 1451.4	



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5803AT for more information.



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