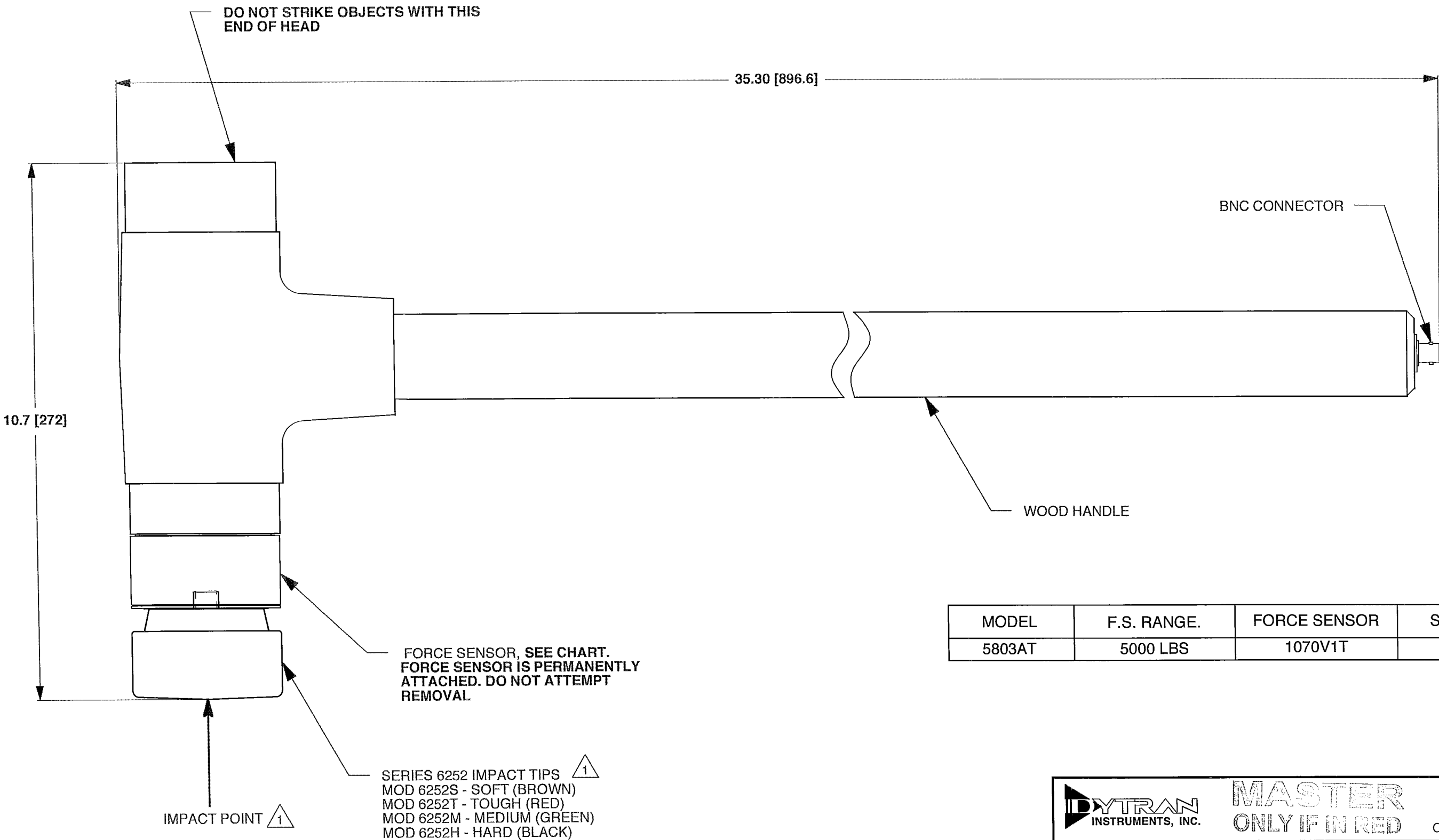


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10421	INITIAL RELEASE	AB 09/25/13	LN	DN



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

2. HEAD WEIGHT - 12 LB. NOM.

¹ 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	MAT'L	
APPROVED			NEXT ASSEMBLY	USED ON	
TITLE OUTLINE/INSTALLATION DRAWING, MODEL SERIES 5803AT IMPULSE HAMMERS					DWG NO. 127-5803AT
SHEET 1 OF 1					

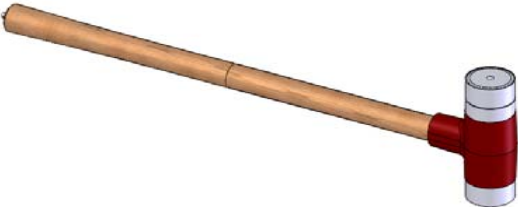
Model Number
5803AT

Doc No
PS5803AT

PERFORMANCE SPECIFICATION

DYNAPULSE™ IMPULSE HAMMERS

REV A, ECN 10421, 09/25/13



- IMPULSE HAMMER
- EXCELLENT LINEARITY
- TEDS FEATURE

PHYSICAL

Weight, Head Connector [1]

Head

Handle

Sensing Element

COAXIAL

Material

Material

Material

Mode

ENGLISH

12

BNC Receptacle

Stainless Steel

Stainless Steel

Wood

Quartz

Compression

SI

5443

BNC Receptacle

Stainless Steel

Stainless Steel

Wood

Quartz

Compression

grams

PERFORMANCE

Sensitivity, ± 10 %

Range

Maximum Force

Linearity [1]

Resonant Frequency

Stiffness

Operating Temperature

mV/LbF

Lbs. Force

Lbs. Force

% Full Scale

kHz

Lb/μin

°F

1

5,000

10,000

± 2

75

110

-40 to +150

mV/N

kN

kN

% Full Scale

kHz

kN/μm

0.25

22.2

44.5

± 2

75

19.06

-40 to +150

ELECTRICAL

Output Voltage F.S

Output Impedance, Max

Compliance Voltage Range

Supply Current Range

Discharge Time Constant

TEDS Feature

V

Ω

VDC

mA

Sec

±5

100

+18 to +30

2 to 20

20 to 25

IEEE 1451.4

V

Ω

VDC

mA

Sec

±5

100

+18 to +30

2 to 20

20 to 25

IEEE 1451.4

This family also includes:

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)

Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

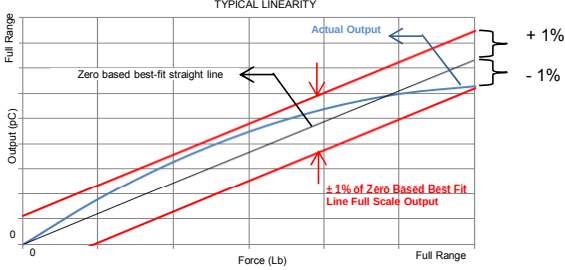
1) Accredited calibration certificate (ISO 17025)

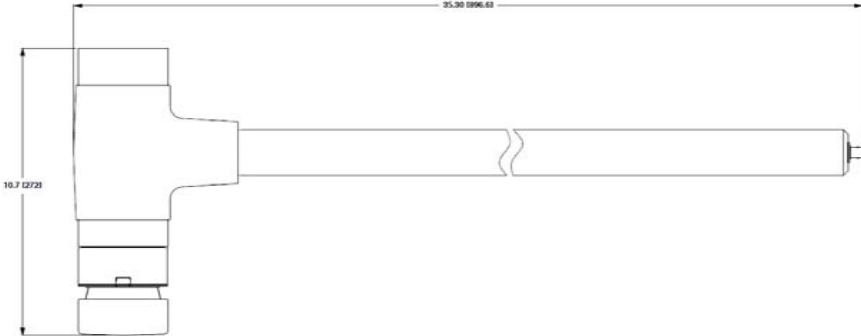
2) Impact tips,(1) model 6252S (soft, brown), 6252T (tough, red), 6252M (medium, green), 6252H (hard, black)

Notes:

[1] Percent of full scale or any lesser range, Zero based best-fit straight line method.

TYPICAL LINEARITY





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



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com

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