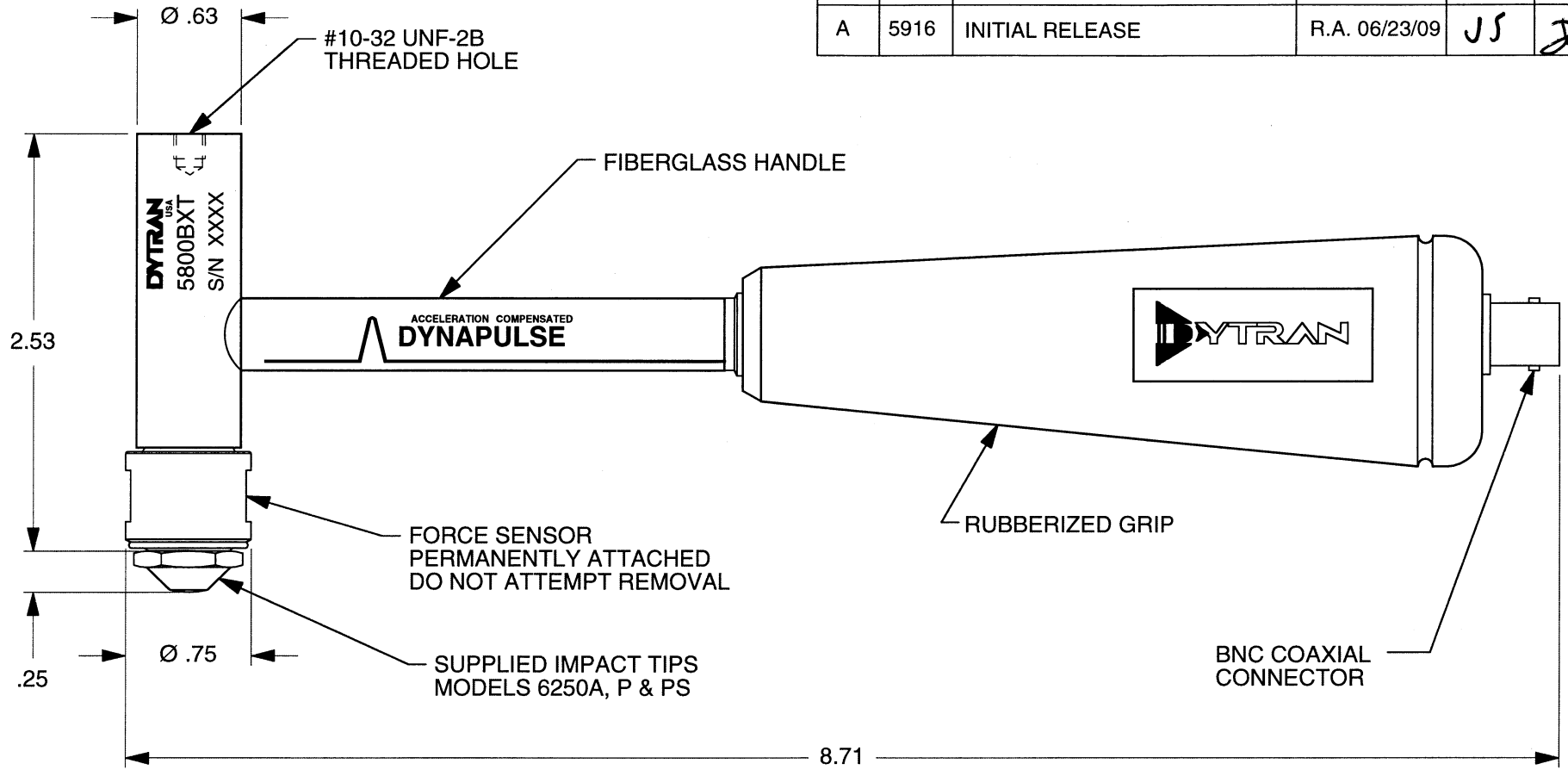


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5916	INITIAL RELEASE	R.A. 06/23/09	JS	<i>[Signature]</i>

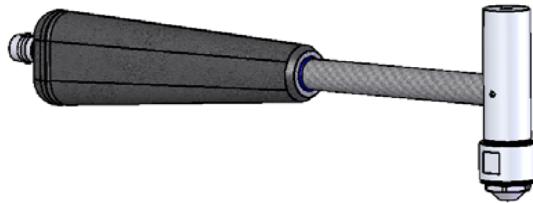


MODEL NO.	SENSITIVITY
5800B2T	100 mV/LbF
5800B3T	50 mV/LbF
5800B4T	10 mV/LbF
5800B5T	5 mV/LbF

1. HEAD WEIGHT - 100 GRAMS, TOTAL WEIGHT-220 GRAMS

		<h1>MASTER ONLY IF IN RED</h1>		CHATSWORTH, CA.	
SCALE	1X	REV	-	DATE	SEE REV BLOCK
DATE	6/23/09	PART NO.			
DRAWN	N.C.	CHECKED	JS	MAT'L	
APPROVED	<i>[Signature]</i>	7/10/09		NEXT ASSEMBLY	USED ON
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, IMPULSE HAMMER SERIES 5800BT				127-5800BT	
SHEET 1 OF 1					

Model Number 5800B2T	PERFORMANCE SPECIFICATION		Doc No PS5800B2T
	DYNAPULSE™ IMPULSE HAMMERS		REV A, ECN6262, 10/05/09



- IMPULSE HAMMERS
- EXCELLENT LINEARITY

PHYSICAL

Weight, Head	Coaxial
Connector [1]	Material
Head	Material
Handle	Material
Sensing Element	Material
	Mode

ENGLISH		SI	
3.5	oz	100	grams
BNC Receptacle		BNC Receptacle	
Stainless Steel		Stainless Steel	
Stainless Steel		Stainless Steel	
Fiber Glass		Fiber Glass	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

Sensitivity, ± 10 %	100	mV/LbF
Range	50	Lbs. Force
Maximum Force	1,000	Lbs. Force
Linearity [1]	± 1	% Full Scale
Resonant Frequency	75	kHz
Stiffness	11.4	Lb/μin
Operating Temperature	-40 to +150	°F

25	mV/N
0.2	kN
4.4	kN
± 1	% Full Scale
75	kHz
1.97	kN/μm
-40 to +150	

ELECTRICAL

Output Voltage F.S	±5	V
Output Impedance, Max	100	Ω
Compliance Voltage Range	+18 to +30	VDC
Supply Current Range	2 to 20	mA
Discharge Time Constant	20 to 25	Sec

±5	V
100	Ω
+18 to +30	VDC
2 to 20	mA
20 to 25	Sec

This family also includes:

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)
5800B3T	50	100	1000	-40 to +150
5800B4T	10	500	1000	-40 to +150
5800B5T	5	100	2000	-40 to +150

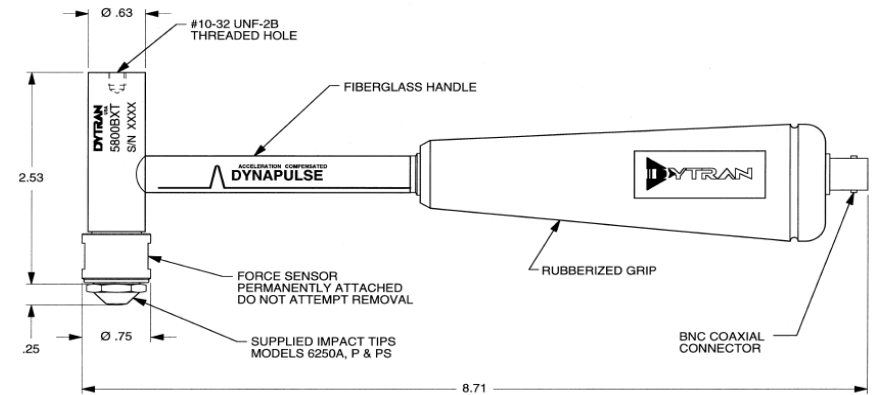
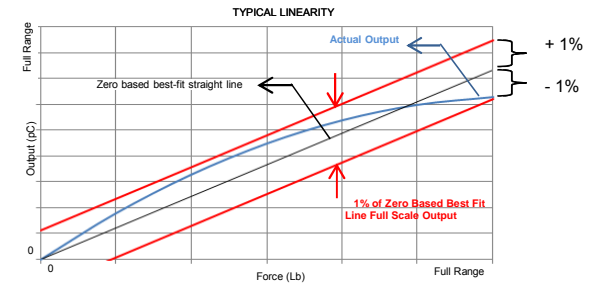
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Impact tips, (1) model 6250A(aluminum), (1) model 6250P(Plastic) and (1) 6250PS, (soft plastic)
- 3) (2) Head extenders, model 6270S1 and 6270S2

Notes:

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

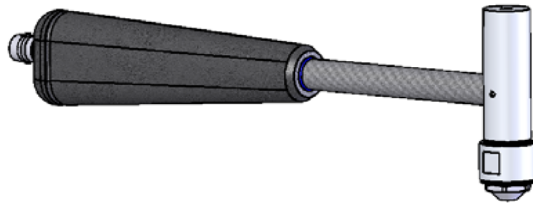


Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5800BT for more information.



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Model Number 5800B3T	PERFORMANCE SPECIFICATION			Doc No PS5800B3T
	DYNAPULSE™ IMPULSE HAMMERS			REV A, ECN6262, 10/05/09



- IMPULSE HAMMERS
- EXCELLENT LINEARITY

This family also includes:

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(*F)
5800B2T	100	50	1000	-40 to +150
5800B4T	10	500	1000	-40 to +150
5800B5T	5	100	2000	-40 to +150

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 6250A(aluminum), (1) model 6250P(Plastic) and (1) 6250PS, (soft plastic)
- 3) (2) Head extenders, model 6270S1 and 6270S2

Notes:

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

PHYSICAL

Weight, Head
Connector [1]
Head
Handle
Sensing Element

Coaxial
Material
Material
Material
Mode

ENGLISH		SI	
3.5	oz	100	grams
BNC Receptacle		BNC Receptacle	
Stainless Steel		Stainless Steel	
Stainless Steel		Stainless Steel	
Fiber Glass		Fiber Glass	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

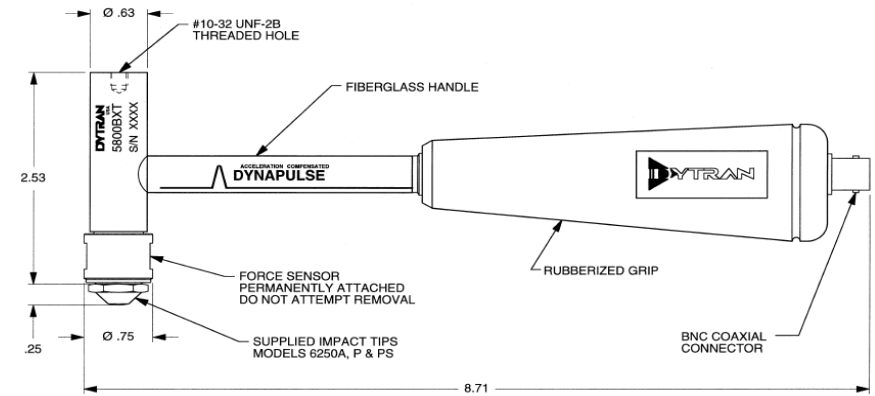
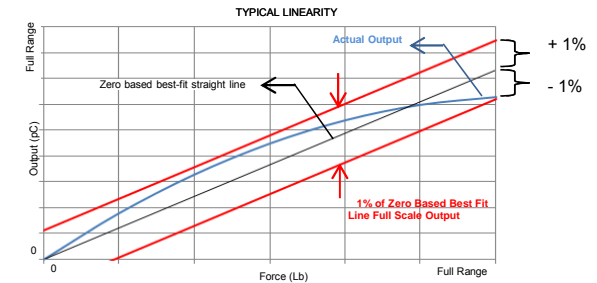
Sensitivity, ± 10 %
Range
Maximum Force
Linearity [1]
Resonant Frequency
Stiffness
Operating Temperature

50	mV/LbF	12	mV/N
100	Lbs. Force	0.4	kN
1,000	Lbs. Force	4.4	kN
± 1	% Full Scale	± 1	% Full Scale
75	kHz	75	kHz
11.4	Lb/µin	1.97	kN/µm
-40 to +150	*F	-40 to +150	

ELECTRICAL

Output Voltage F.S
Output Impedance, Max
Compliance Voltage Range
Supply Current Range
Discharge Time Constant

±5	V	±5	V
100	Ω	100	Ω
+18 to +30	VDC	+18 to +30	VDC
2 to 20	mA	2 to 20	mA
50 to 55	Sec	50 to 55	Sec

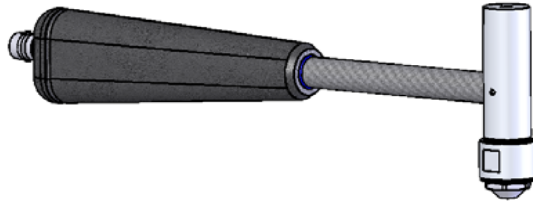


Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5800BT for more information.



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Model Number 5800B4T	PERFORMANCE SPECIFICATION			Doc No PS5800B4T
	DYNAPULSE™ IMPULSE HAMMERS			REV A, ECN6262, 10/05/09



- IMPULSE HAMMERS
- EXCELLENT LINEARITY

PHYSICAL

Weight, Head	Coaxial
Connector [1]	Material
Head	Material
Handle	Material
Sensing Element	Material
	Mode

ENGLISH		SI	
3.5	oz	100	grams
BNC Receptacle		BNC Receptacle	
Stainless Steel		Stainless Steel	
Stainless Steel		Stainless Steel	
Fiber Glass		Fiber Glass	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

Sensitivity, ± 10 %	10	mV/LbF
Range	500	Lbs. Force
Maximum Force	1,000	Lbs. Force
Linearity [1]	± 1	% Full Scale
Resonant Frequency	75	kHz
Stiffness	11.4	Lb/µin
Operating Temperature	-40 to +150	°F

2	mV/N
2.2	kN
4.4	kN
± 1	% Full Scale
75	kHz
1.97	kN/µm
-40 to +150	

ELECTRICAL

Output Voltage F.S	±5	V
Output Impedance, Max	100	Ω
Compliance Voltage Range	+18 to +30	VDC
Supply Current Range	2 to 20	mA
Discharge Time Constant	170 to 175	Sec

±5	V
100	Ω
+18 to +30	VDC
2 to 20	mA
170 to 175	Sec

This family also includes:

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(*F)
5800B2T	100	50	1000	-40 to +150
5800B3T	50	100	1000	-40 to +150
5800B5T	5	100	2000	-40 to +150

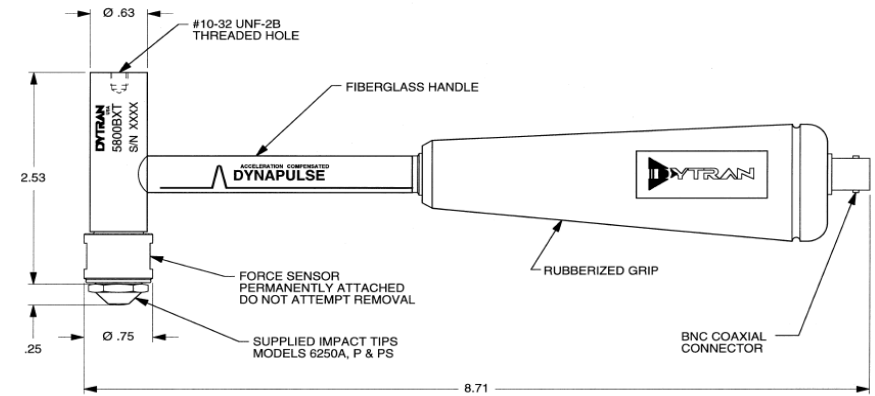
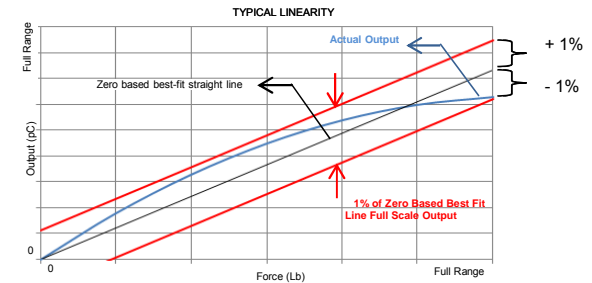
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Impact tips, (1) model 6250A(aluminum), (1) model 6250P(Plastic) and (1) 6250PS, (soft plastic)
- 3) (2) Head extenders, model 6270S1 and 6270S2

Notes:

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

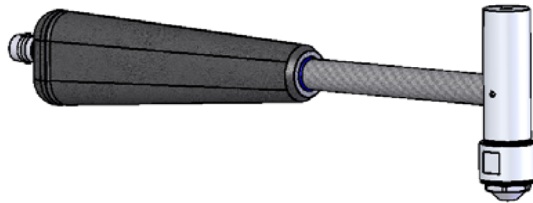


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Model Number 5800B5T	PERFORMANCE SPECIFICATION			Doc No PS5800B5T
	DYNAPULSE™ IMPULSE HAMMERS			REV A, ECN6262, 10/05/09



- IMPULSE HAMMERS
- EXCELLENT LINEARITY

PHYSICAL

Weight, Head	Coaxial
Connector [1]	Material
Head	Material
Handle	Material
Sensing Element	Material
	Mode

ENGLISH		SI	
3.5	oz	100	grams
BNC Receptacle		BNC Receptacle	
Stainless Steel		Stainless Steel	
Stainless Steel		Stainless Steel	
Fiber Glass		Fiber Glass	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

Sensitivity, ± 10 %	5	mV/LbF
Range	1,000	Lbs. Force
Maximum Force	2,000	Lbs. Force
Linearity [1]	± 1	% Full Scale
Resonant Frequency	75	kHz
Stiffness	11.4	Lb/µin
Operating Temperature	-40 to +150	°F

1	mV/N
4.4	kN
8.9	kN
± 1	% Full Scale
75	kHz
1.97	kN/µm
-40 to +150	

ELECTRICAL

Output Voltage F.S	±5	V
Output Impedance, Max	100	Ω
Compliance Voltage Range	+18 to +30	VDC
Supply Current Range	2 to 20	mA
Discharge Time Constant	300 to 305	Sec

±5	V
100	Ω
+18 to +30	VDC
2 to 20	mA
300 to 305	Sec

This family also includes:

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)
5800B2T	100	50	1000	-40 to +150
5800B3T	50	100	1000	-40 to +150
5800B4T	10	500	1000	-40 to +150

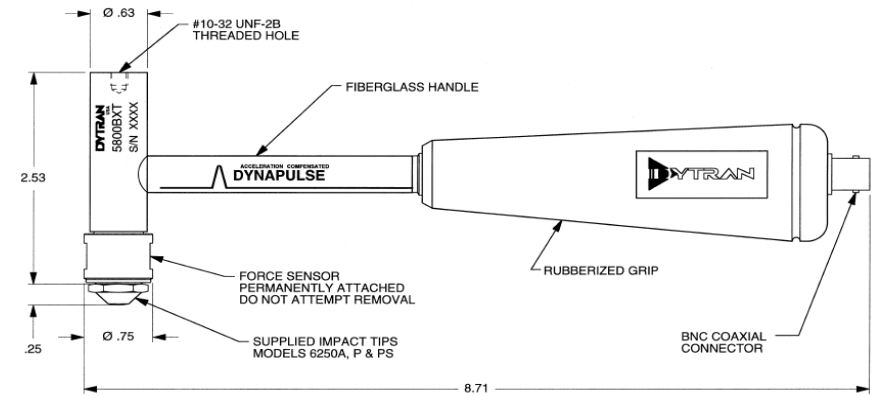
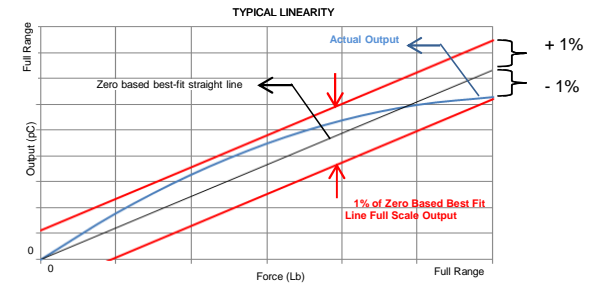
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Impact tips, (1) model 6250A(aluminum), (1) model 6250P(Plastic) and (1) 6250PS, (soft plastic)
- 3) (2) Head extenders, model 6270S1 and 6270S2

Notes:

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



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5800BT for more information.



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