

REDRAWN ON CAD 12-16-97



CHATSWORTH, CA.

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
 TOLERANCE: .XXX = ± .005 .XX = ± .01

SURFACE FINISH 63 ✓
 EXCEPT AS NOTED

BREAK EDGES TO DEBURR .003
 RADIUS OR CHAMFER

1 THESE DIAS Ⓞ TO .003 T.I.R.

FILLETS - .005 MAX RAD.

SCALE	1X	REV	-	DATE	-	ECN	-
DATE	6/18/82	PART NO.	MODEL 5800SL				
DRAWN	N.C.	CHECKED	R.A.				
APPROVED	NEXT ASSEMBLY		102-0846-01	USED ON		5800SL	
TITLE						DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 5800SL IMPULSE HAMMER						127-5800SL	
SHEET 1 OF 1							

Model Number 5800SL	PERFORMANCE SPECIFICATION			Doc No PS5800SL
	DYNAPULSE™ IMPULSE HAMMERS			REV A, ECN 10952, 07/15/15



- IMPULSE HAMMERS
- EXCELLENT LINEARITY

PHYSICAL

Weight	Micro	0.34	oz	9.8	grams
Connector	Mode	10-32		10-32	
Sensing Element		Compression		Compression	
Impact Tip	Material	300 Series S.S.			
	Hardness, Nom	44-45	Rc	44-45	Rc
	Diameter	0.1	In	2.54000508	mm

ENGLISH		SI	
Weight	0.34 oz	9.8	grams
Connector	10-32	10-32	
Sensing Element	Compression	Compression	
Impact Tip	300 Series S.S.		
	44-45 Rc	44-45	Rc
	0.1 In	2.54000508	mm

PERFORMANCE

Sensitivity, ± 10 %	100	mV/LbF	25	mV/N
Range	50	Lbs. Force	0.2	kN
Maximum Force	200	Lbs. Force	0.9	kN
Linearity	± 1	% Full Scale	± 1	% Full Scale
Resonant Frequency, Nom	300	kHz	300	kHz
Stiffness	1.5	Lb/μin	0.26	kN/μm
Operating Temperature	-40 to +150	°F	-40 to +66	°C

ELECTRICAL

Output Voltage F.S	±5	V	±5	V
Output Impedance, Max	100	Ω	100	Ω
Compliance Voltage Range [1]	+18 to +30	VDC	+18 to +30	VDC
Supply Current Range [1]	2 to 20	mA	2 to 20	mA
Discharge Time Constant, Nom	3	Sec	3	Sec

This family also includes:

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

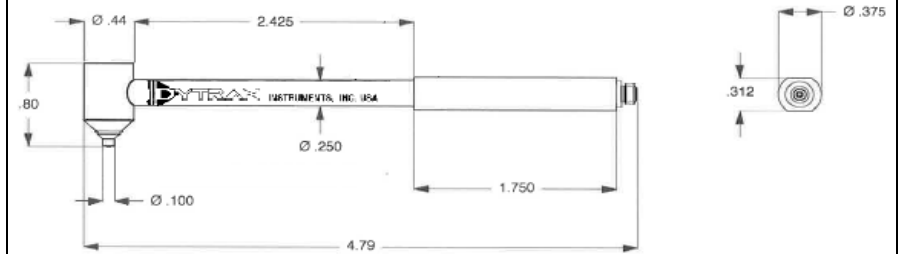
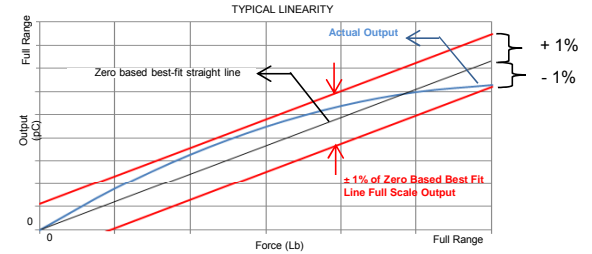
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6278 head extender. Weight - 3.5 Grams. Material - brass.

Notes:

[1] Current must be supplied by constant current type power sources such as Dytran LIVM power units. Do not supply power to the hammer from a DC power supply without current limiting as specified here. To do so will immediately destroy the built-in IC amplifier.



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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