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DWG NO 127-5800SL SH 1 REV A

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	14155	REDRAWN ON SOLIDWORKS WITH CHANGES	RA, 04/13/18	MH	

MODEL 6278 HEAD EXTENDER,
BRASS, SUPPLIED

HANDLE

10-32 CONNECTOR, JACK

FORCE SENSOR IMPACT TIP

 $(\phi .44)$
[11.10].79
[20.04] $(\phi .10)$
[2.54]4.79
[121.72]

- MAXIMUM FORCE lbf(kN): 200 (0.9)
- SENSITIVITY mV/blf(mV/N): 100 (23)
- FULL SCALE RANGE lbf(kN): 50 (0.22)
- MATES WITH 6011AXX CABLE.

- WEIGHT OUNCES (GRAMS): 0.34 (9.8)

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED:
INTERPRET DIM & TOL PER
ASME Y14.5M - 1994.
REMOVE BURRS.
COUNTERSINK INTERNAL THDS
90° TO MAJOR DIA.
CHAM EXT THDS 45° TO MINOR DIA.
THD LENGTHS AND DEPTHS ARE FOR
MIN FULL THDS.
DIMENSIONS APPLY AFTER FINISHING.ALL MACHINED SURFACES
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

DECIMALS	METRIC	ANGLES
.XX ±.01	.X ±0.8	±1°
.XXX ±.005	.XX ±0.25	

APPROVALS	DATE
ORIG NC	06/18/82
CHK RA	06/18/98
APP EP	12/18/12

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

Chatsworth, CA

TITLE:
OUTLINE/INSTALLATION DRAWING,
MODEL 5800SL IMPULSE HAMMER

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-5800SL	A

SCALE: 1:1 SHEET 1 OF 1

172-0XXX REV A

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Model Number 5800SL	PERFORMANCE SPECIFICATION			Doc No PS5800SL
	DYNAPULSE™ IMPULSE HAMMERS			REV B, ECN 13813, 10/31/17



- IMPULSE HAMMERS
- EXCELLENT LINEARITY

PHYSICAL

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

PERFORMANCE

Sensitivity, ± 10 %	100	mV/LbF	22.5	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)

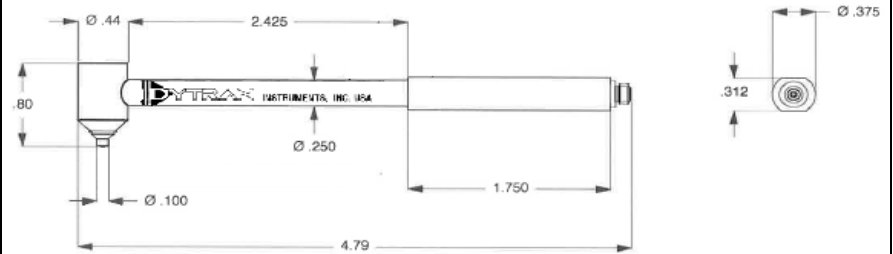
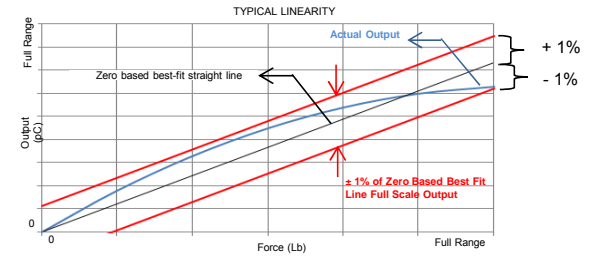
Please, refer to the performance specifications of the products in this family for detailed description

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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