

D

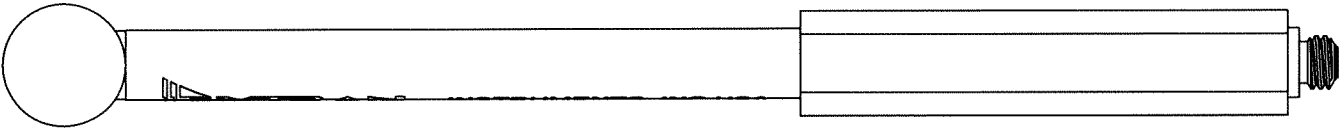
C

B

A

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED



MODEL 6278 HEAD EXTENDER,
BRASS, SUPPLIED

HANDLE

10-32 CONNECTOR, JACK ²

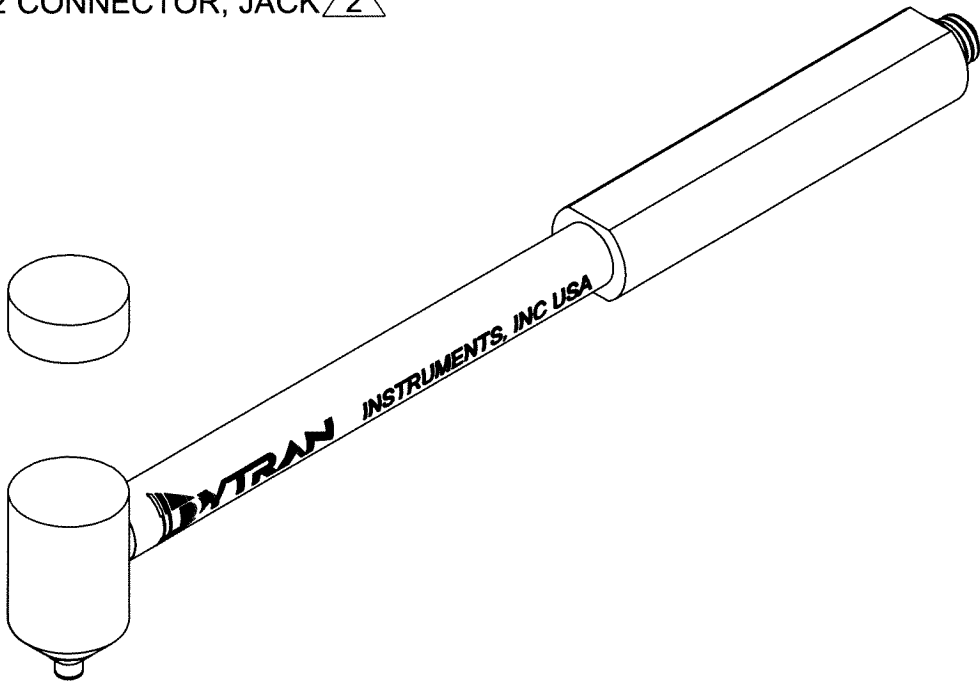
($\phi .44$)
[11.10]

.79
[20.04]

($\phi .10$)
[2.54]

FORCE SENSOR IMPACT TIP

4.79
[121.72]



5. MAXIMUM FORCE lbf(kN): 200 (0.9)
4. SENSITIVITY mV/blf(mV/N): 100 (23)
3. FULL SCALE RANGE lbf(kN): 50 (0.22)
² MATES WITH 6011AXX CABLE.

1. 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 ⁶³/_✓
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
.XXX ±.005 .XX ±0.25 ±1°

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

DO NOT SCALE DRAWING



TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 5800SL IMPULSE HAMMER			
SIZE B	CAGE CODE 2W033	DWG NO 127-5800SL	REV A
SCALE: 1:1		SHEET 1 OF 1	


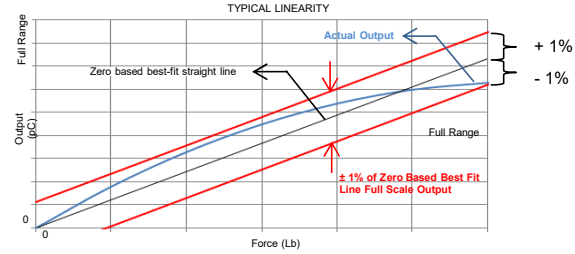
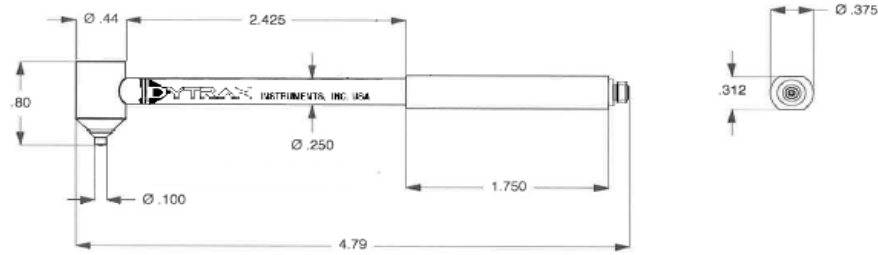
DWG NO	127-5800SL	ISH	1	REV	A
REVISIONS					
REV.	ECN	DESCRIPTION		BY/DATE	CHK APPR
A	14155	REDRAWN ON SOLIDWORKS WITH CHANGES		RA, 04/13/18	MH [signature]


D

C

B

A

Model Number 5800SL		PERFORMANCE SPECIFICATION				Doc No PS5800SL																					
		DYNAPULSE™ IMPULSE HAMMERS				REV C, ECN 16473, 11/24/21																					
<div></div> <div><ul style="list-style-type: none">• ULTRA-LIGHT IMPULSE HAMMERS• HIGH SENSITIVITY</div>																											
PHYSICAL		ENGLISH		SI																							
Weight		0.34	oz	9.8	grams																						
Connector	Micro	10-32		10-32																							
Sensing Element	Mode	Compression		Compression																							
Impact Tip	Material	300 Series S.S.		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		>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																						
<div>This family also includes:</div> <table><tr><th>Model</th><th>Sensitivity (mV/Lb)</th><th>Range(Lbs. Force)</th><th>Max.Force (Lbs. Force)</th><th>Oper. Temp(°F)</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Please, refer to the performance specifications of the products in this family for detailed description</p> <div>Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Model 6278 head extender. Weight - 3.5 Grams. Material - brass.</div> <div>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.</div> <p>It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.</p> <div></div> <div></div> <p>Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5800SL for more information.</p>								Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)															
Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)																							



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.698.0362 www.dytran.com
For permission to reprint this content, please contact info@dytran.com

