

REV	CON	DESCRIPTION	DATE
A	4902	INITIAL RELEASE	R.A. 12/18/07

Ø .63

#10-32 UNF-2B
THREADED HOLE

2.53

DYTRAN USA
5800BX
S/N XXXX

ACCELERATION COMPENSATED
DYNAPULSE

FIBERGLASS HANDLE

RUBBERIZED GRIP

BNC COAXIAL CONNECTOR

FORCE SENSOR
PERMANENTLY ATTACHED
DO NOT ATTEMPT REMOVAL

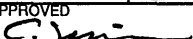
SUPPLIED IMPACT TIPS
MODELS 6250A, P & PS

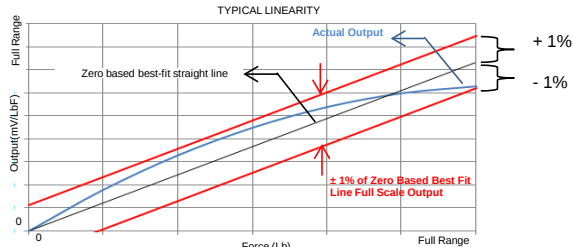
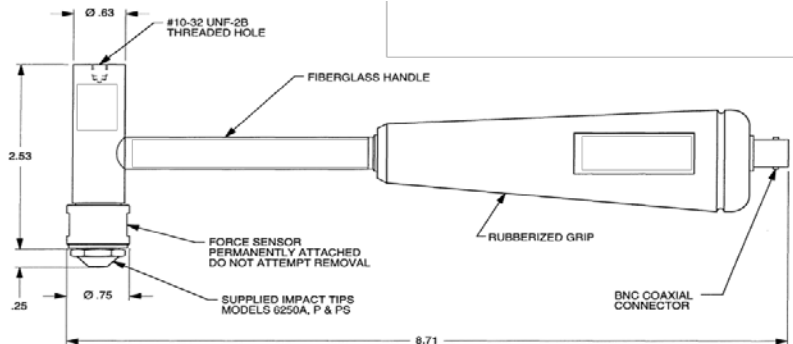
Ø .75

.25

8.71

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

		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	1X	REV	-	DATE	SEE REV BLOCK
DATE	6/17/00	ECN	-		
DRAWN	N.C.	CHECKED	CEJ	PART NO.	
APPROVED			NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, IMPULSE HAMMER SERIES 5800B				127-5800B	
				SHEET 1 OF 1	

Model Number 5800B2		PERFORMANCE SPECIFICATION			DOC NO PS5800B2	
		IMPULSE HAMMER			REV A, ECN 11034, 06/25/14	
		• ACCELERATION COMPENSATED • EXCELLENT LINEARITY • INTERCHANGABLE IMPACT TIPS				
PHYSICAL	ENGLISH		SI			
	Weight, Head	3.5 oz	100 grams	Connector	BNC	
Head	Material	Stainless Steel	Stainless Steel	Head	Fiberglass	
	Material	Fiberglass	Fiberglass	Handle	Aluminum / Plastic	
	Material	Aluminum / Plastic	Aluminum / Plastic	Impact Tips	Quartz	
	Material	Quartz	Quartz	Sensing Element	Compression	
	Mode	Compression	Compression			
PERFORMANCE	Sensitivity, ± 10 %	100 mV/LbF	22.5 mV/N			
	Range	50 Lbs. Force	222.4 N			
	Maximum Force	1,000 Lbs. Force	4448 N			
	Linearity [1]	±1 % Full Scale	±1 % Full Scale			
	Resonant Frequency	75 kHz	75 kHz			
	Stiffness, Force Sensor	11.4 Lb/μin	2.0 kN/μm			
ELECTRICAL	Output Voltage F.S	±5 V	±5 V			
	Output Impedance, Max	100 Ω	100 Ω			
	Bias Voltage	7 to 12 VDC	7 to 12 VDC			
	Compliance Voltage Range	18 to 30 VDC	18 to 30 VDC			
	Supply Current Range	2 to 20 mA	2 to 20 mA			
	Discharge Time Constant, Nom	20 Sec	20 Sec			
	This family also includes:					
Model	Sensitivity (mV/Lb)	Range (Lb. Force)	Max. Force (Lb. Force)	Discharge T.C. (sec)		
5800B1	500	10	200	5		
5800B3	50	100	1000	50		
5800B4	10	500	1000	170		
5800B5	5	1,000	2000	300		
5801B4	10	500	6000	170		
5801B5	5	1,000	8000	300		
5801B6	1	5,000	8000	1700		
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: 1X Model 6250A (aluminum), 1X Model 6250P (plastic), 1X model 6250PS (soft plastic)						
Notes:						
[1] Percent of full scale or any lesser range, Zero based best-fit straight line method.						
[2] In the interest of constant product improvement, we reserve the right to change specifications without notice.						
						
						
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5800B for more information.						
						
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