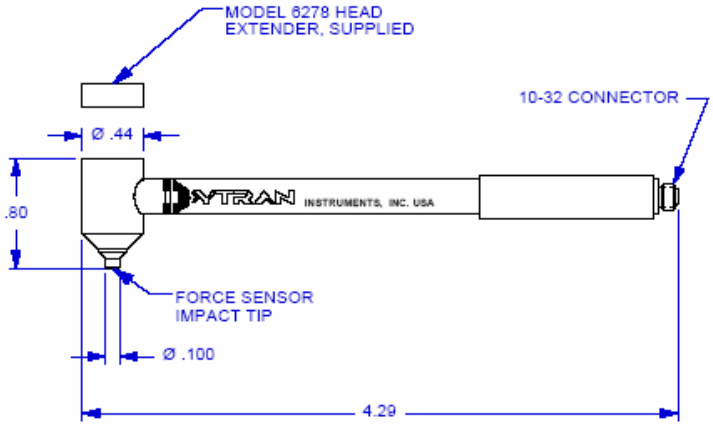
"Your Direct Source for Condition Monitoring, Test & Measurement"
www.reliabilitydirectstore.com
2911 South Shore Blvd. Suite 170, League City, TX USA 77573 Phone: 281-957-5283 Fax: 281-334-4255



REDRAWN ON CAD 12-16-97

EXCEPT AS OTHERWISE NOTED

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

SURFACE FINISH EXCEPT AS NOTED 63

BREAK EDGES TO DEBURR RADIUS OR CHAMFER .003

1 THESE DIAS ⊕ TO .003 T.I.R.

FILLETS - .005 MAX RAD.

SPECIFICATIONS

MODEL 5800SL MINIATURE IMPULSE HAMMER

SPECIFICATION	VALUE	UNITS
SENSITIVITY, NOM.	100	Mv/Lb
RANGE, F.S.	50	Lb.
LINEARITY	+/- 2	% F.S.
F.S. OUTPUT VOLTAGE	+5	VOLTS
DISCHARGE TIME CONSTANT, NOM.	3	SEC.
RESONANT FREQUENCY, NOM.	300	kHz
STIFFNESS, IMPACT TIP STRUCTURE	1.5×10^6	Lb./In.
IMPACT TIP MATERIAL	17-4	ST. STEEL
IMPACT TIP HARDNESS, NOM.	44-45	Rc
IMPACT TIP DIAMETER	0.1	In.
MAXIMUM SAFE IMPACT MAGNITUDE	200	Lb.
OUTPUT IMPEDANCE	100	OHMS
INPUT CURRENT RANGE [1]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE [1]	+18 to +30	VDC
ELECTRICAL CONNECTOR (AT END OF HANDLE)	10-32	MICRO
WEIGHT	10-7	GRAMS

ACCESSORIES SUPPLIED: (1) Model 6278 head extender.
Weight - 3.5 Grams
Material - brass

[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.

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