



| MODEL NO. | SENSITIVITY |
|-----------|-------------|
| -         | -           |
| 5800B2    | 100 mV/LbF  |
| 5800B3    | 50 mV/LbF   |
| 5800B4    | 10 mV/LbF   |
| 5800B5    | 5 mV/LbF    |

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

|  |         |                 |         |
|--|---------|-----------------|---------|
| <b>DYTRAN</b><br>INSTRUMENTS, INC.                           |         | CHATSWORTH, CA. |         |
| SCALE  | 1X      | REV             | DATE    |
| DATE   | 6/17/00 | ECN             |         |
| DRAWN  | N.C.    | CHECKED         | R.A.    |
| APPROVED   |         | MAT'L           |         |
|  |         | NEXT ASSEMBLY   | USED ON |
| TITLE  |         | DWG NO.         |         |
| OUTLINE/INSTALLATION DRAWING,<br>IMPULSE HAMMER SERIES 5800B |         | 127-5800B       |         |
| SHEET 1 OF 1   |         |                 |         |

**SPECIFICATIONS, MODEL SERIES 5800B DYNAPULSE™ IMPULSE HAMMERS**

| <b>MODEL</b> | <b>RANGE FOR +5V OUT<br/>(Lbs Force)</b> | <b>SENSITIVITY<br/>(mV/Lb Force)</b> | <b>MAX. FORCE<br/>(Lbs Force)</b> | <b>DISCHARGE TC<br/>(Sec)</b> |
|--------------|--|--------------------------------------|-----------------------------------|-------------------------------|
| 5800B2       | 50                                       | 100                                  | 1000                              | 20                            |
| 5800B3       | 100                                      | 50                                   | 1000                              | 50                            |
| 5800B4       | 500                                      | 10                                   | 1000                              | 170                           |
| 5800B5       | 1000                                     | 5                                    | 2000                              | 300                           |

**COMMON SPECIFICATIONS, ALL MODELS**

| <b>SPECIFICATION</b>              | <b>VALUE</b>              | <b>UNITS</b> |
|-----------------------------------|---------------------------|--------------|
| FULL SCALE OUTPUT VOLTAGE         | 5                         | VOLTS        |
| STIFFNESS, SENSOR                 | 11.4                      | Lb F/μ In    |
| RESONANT FREQUENCY                | 75                        | kHz          |
| LINEARITY                         | ±1                        | %FS          |
| OUTPUT IMPEDANCE, MAX             | 100                       | Ohms         |
| VOLTAGE BIAS, NOM                 | +10                       | VDC          |
| SUPPLY (COMPLIANCE) VOLTAGE RANGE | +18 TO +30                | VDC          |
| SUPPLY CURRENT RANGE              | 2 TO 20                   | mA           |
| MATERIAL, HEAD/HANDLE             | STAINLESS STEEL/FIBERGLAS |              |
| WEIGHT, HEAD 5800A                | 100                       | Grams        |
| CONNECTOR                         | BNC JACK                  | COAXIAL      |

**ACCESSORIES SUPPLIED WITH BASIC HAMMER**

**(1) Impact tips, Model 6250A (aluminum), (1) Model 6250P (plastic) and (1) 6250PS, (soft plastic)**

**Accessories supplied with hammer kits HB5800B, HL5800B:  
above tips plus (2) head extenders, 6270S1 and 6270S2 for Model series 5800B.**

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