| Model Number | ICP® IMPACT HAMMER | Revision: L |
|---|---|---|
| 086C03 | | ECN #: 32387 |

| Performance | ENGLISH | SI | |
|---|---|---|---|
| Sensitivity(± 15 %) | 10 mV/lbf | 2.25 mV/N | |
| Measurement Range | ± 500 lbf pk | ± 2224 N pk | |
| Resonant Frequency | ≥ 22 kHz | ≥ 22 kHz | |
| Non-Linearity | ≤ 1 % | ≤ 1 % | |
| **Electrical** | | | |
| Excitation Voltage | 20 to 30 VDC | 20 to 30 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | <100 ohm | <100 ohm | [1] |
| Output Bias Voltage | 8 to 14 VDC | 8 to 14 VDC | |
| Discharge Time Constant | ≥ 2000 sec | ≥ 2000 sec | [1] |
| **Physical** | | | |
| Sensing Element | Quartz | Quartz | |
| Sealing | Epoxy | Epoxy | |
| Hammer Mass | 0.34 lb | 0.16 kg | |
| Head Diameter | 0.62 in | 1.57 cm | |
| Tip Diameter | 0.25 in | 0.63 cm | |
| Hammer Length | 8.5 in | 21.6 cm | |
| Electrical Connection Position | Bottom of Handle | Bottom of Handle | |
| Extender Mass Weight | 2.6 oz | 75 gm | |
| Electrical Connector | BNC Jack | BNC Jack | |

CE [2]

*All specifications are at room temperature unless otherwise specified.*
*In the interest of constant product improvement, we reserve the right to change specifications without notice.*

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**OPTIONAL VERSIONS**

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

**T** - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

**TLD** - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4

**NOTES:**

[1] Typical.
[2] See PCB Declaration of Conformance PS068 for details.

**SUPPLIED ACCESSORIES:**

Model 081B05 Mounting Stud (10-32 to 10-32) (2)
Model 084A08 Extender - Steel, 0.6" Diameter (1)
Model 084B03 Hard Tip- Hard (S.S) (1)
Model 084B04 Hammer Tip- Medium (White Plastic) (1)
Model 084C05 Hammer Tip- Soft (Black) (2)
Model 084C11 Hammer Tip- Supersoft (Red) (2)
Model 085A10 Vinyl Cover For Medium Tip (Blue) (2)
Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

| Entered: | Engineer: | Sales: | Approved: | Spec Number: |
|---|---|---|---|---|
| Date: 2/24/10 | Date: 12/8/09 | Date: 2/17/10 | Date: 2/17/10 | 15273 |

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