

Model Number
086D05

ICP® IMPACT HAMMER

Revision: H
ECN #: 55566

Performance

Sensitivity(± 15 %)
Measurement Range
Resonant Frequency
Non-Linearity

ENGLISH

1 mV/lbf
± 5,000 lbf pk
≥ 22 kHz
≤ 1 %

SI

0.23 mV/N
± 22,240 N pk
≥ 22 kHz
≤ 1 %

Electrical

Excitation Voltage
Constant Current Excitation
Output Impedance
Output Bias Voltage
Discharge Time Constant

20 to 30 VDC
2 to 20 mA
< 100 Ohm
8 to 14 VDC
≥ 2,000 sec

20 to 30 VDC
2 to 20 mA
< 100 Ohm
8 to 14 VDC
≥ 2,000 sec

[1]

[1]

Physical

Sensing Element
Sealing
Hammer Mass
Head Diameter
Tip Diameter
Hammer Length
Electrical Connection Position
Extender Mass Weight
Electrical Connector

Quartz
Epoxy
0.7 lb
1.0 in
0.25 in
9.0 in
Bottom of Handle
7.0 oz
BNC Jack

Quartz
Epoxy
0.32 kg
2.5 cm
0.63 cm
22.7 cm
Bottom of Handle
200 gm
BNC Jack

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.

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 084A09 Extender - steel, 1.0" diameter (1)
Model 084A51 Adaptor (1)
Model 084A52 Tip, 1", Soft, Orange/Brown (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 085A10 Vinyl Cover For Medium Tip (Blue) (2)
Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)



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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Entered: ND	Engineer: GD	Sales: BS	Approved: BAM	Spec Number:
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