

Model Number
687A02

HANDHELD VIBRATION METER

Revision: B
ECN #: 15994

ELECTRICAL CHARACTERISTICS

Excitation Voltage (± 1 VDC)

Excitation Current (± 0.6 mA)

Frequency Response:

Velocity ($\pm 10\%$, -20%)

Acceleration (± 3 dB)

Acceleration Range

Velocity Range

DC Bias Range

Meter Resolution

Accuracy

Battery Life (alkaline)

Battery Life (rechargeable)

ENVIRONMENTAL CHARACTERISTICS

Temperature Range

MECHANICAL CHARACTERISTICS

Size (L x W x H)

Weight (with battery)

Connectors:

Input

Headphones

ENGLISH

24 VDC

2 mA

600 – 60,000 cpm

3,000 – 3,000,000 cpm

0.01 – 19.99 grms

0.001 – 1.999 in/sec rms

0.00 – 19.99 VDC

± 2 counts

$\pm 3\%$

10 hours

3 hours

+32 to +122 °F

5.9 x 3.15 x 1.2 in

0.569 lb

BNC Jack

1/8" Stereo Jack

SI

24 VDC

2 mA

600 – 60 000 cpm

3 000 – 3 000 000 cpm

0,01 – 19,99 grms

Not Applicable

0,00 – 19,99 VDC

± 2 counts

$\pm 3\%$

10 hours

3 hours

0 to +50 °C

150 x 80 x 30 mm

258 gm

BNC Jack

Not Applicable

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.

☐ R – Rechargeable Version

Model 073M12 External Charger

Model 073A09 NiCd Battery **replaces** Alkaline

Model 017A01 AC Line Cord

NOTES:

[1] 1 Hz = 60 cpm (cycles per minute).

[2] Typical value.

[3] Varta TR7/8 or Eveready N88 for rechargeable version.

[4] Non-condensing.

[5] See PCB Declaration of Conformance PS038 for details.

SUPPLIED ACCESSORIES:

None



All specifications are at room temperature unless otherwise specified.

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In the interest of constant product improvement, we reserve the right to change specifications without notice.

Form DD030 Rev.F 2/23/99

Drawn:	Engineer:	Sales:	Approved:	Spec Number:
Date: 3/24/03	Date: 3/25/03	Date: 3/25/03	Date: 3/24/03	11285



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