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For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

VBM-50 VIBRATION TESTER



Item no: 3394395

The product is a handheld vibration tester which consists of acceleration sensor and digital display circuit. It is mainly used to measure vibration acceleration, velocity and displacement of mechanical equipment.

FEATURES

2.4" TFT colour screen // Automatically rotatable screen //
Flashlight for measurements //
Acceleration, velocity, displacement measurement // Switchable frequency //
Rechargeable lithium battery // Sensitivity sensor // Easy to carry and use

TECHNICAL DATA

Product

Rechargeable battery	3.7 V, 1350 mAh, 5 Wh, Li-Po
Input (USB Type-C®)	5.0 V/DC, 0.5 A
Battery duration	approx. 12 hours
Charging time	approx. 3 hours
Display	2.4" (6.1 cm) TFT colour screen
Auto power off	5 minutes

Acceleration (PEAK)

Range	0.1 – 199 m/s ²
Accuracy	± (5 % +2)
Frequency	LO: 10 Hz – 1 kHz HI: 1 kHz – 15 kHz



Velocity (RMS)

Range	0.1 – 199.9 mm/s
Accuracy	± (5 % +2)
Frequency	10 Hz – 1.5 kHz

Displacement (P-P)

Range	0.001 – 1.999 mm
Accuracy	± (10 % +2)
Frequency	10 Hz – 1 kHz

Environment

Operating temperature	0 to +40 °C
Operating humidity	< 80 % RH (non-condensing)
Storage temperature	-20 to +60 °C
Storage humidity	< 80 % RH (non-condensing)

Other

Dimensions (H x W x D)	approx. 180 x 64 x 28 mm
Weight	approx. 191 g (including the short probe)

CONTENTS

Product with short probe preinstalled // USB Type-C® charging cable // Long probe //
Carrying bag // Operating instructions

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