

Uni-T UT312A Vibration Tester



Model: UT312A

Manufacturer: UNI-T

EAN: 6935750531228

Product Code: 883483

R6,995

Uni-T UT312A Vibration Tester

The Uni-T UT312A Vibration Tester is a compact machine condition monitoring device that measures vibration acceleration, velocity, and displacement with instant readings displayed on a 2.4" TFT screen. The device operates in two frequency modes for acceleration (LO: 10 Hz-1 kHz and HI: 1 kHz-15 kHz), allowing you to tailor the measurement to the nature of the equipment's operation. Its compact design, auto-rotating screen, built-in flashlight, and USB-C rechargeable battery make the UT312A ideal for field inspections and routine diagnostics of industrial equipment.

Measurements tailored to various applications

The UT312A offers three key measurement methods: acceleration (PEAK), velocity (RMS), and displacement (P-P), allowing you to assess both dynamic vibrations and the overall operating condition of the machine. Separate frequency modes for acceleration (LO and HI) allow for more precise analysis of both slower and faster vibrations, rather than using a single generalized range. The Data Hold function allows you to freeze the result on the screen, making it easier to read in less

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convenient conditions. The 1350 mAh battery provides up to approximately 12 hours of operation, and charging via USB-C takes about 3 hours. The weight of approximately 364 g refers to the device together with the short probe, i.e., in a ready-to-use configuration.

Included in the set

- Uni-T UT312A vibration tester
- Long measurement probe
- Short measurement probe
- Magnetic U-type tip
- USB-C charging cable
- User manual
- Safety instructions

Manufacturer	Uni-T
Model	UT312A
Acceleration measurement	0.1-199.9 m/s²
Velocity measurement	0.1-199.9 mm/s
Displacement measurement	0.001-1.999 mm
Acceleration frequency range	LO 10 Hz-1 kHz / HI 1 kHz-15 kHz
Velocity frequency range	10 Hz-1.5 kHz
Displacement frequency range	10 Hz-1 kHz
Resolution	0.1 m/s² / 0.1 mm/s / 0.001 mm
Acceleration and velocity accuracy	±(5%+2 digits)
Displacement accuracy	±(10%+2 digits)
Display	2.4" TFT LCD, auto-rotation, backlight
Functions	Data Hold, flashlight, battery indicator, auto-off after 5 min
Power supply	1350 mAh Li-Ion battery, 3.7 V
Charging	USB-C, DC 5 V

Operating time approx. 12 h

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Operating conditions	0°C-40°C, ≤80% RH (non-condensing)
Dimensions	168 × 28 × 64 mm
Weight	364 g (with short probe)

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Gross weight: 930, Net weight: 364, Box length: 28,00, Box width: 7,00, Box height: 23,50

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