



| Models | UT311A | | UT312A | |
|------------------------------------|--|--|---|--------------|
| |  | |  | |
| Language | EN, FR, DE, IT, ES, SV, PL, CZ | | | |
| Parameter | Range | Frequency | Resolution | Accuracy |
| Acceleration (PEAK) | 0.1-199.9m/s ² | LO: 10Hz-1kHz HI: 1kHz-15kHz | 0.1m/s ² | ±(5%+2dgts) |
| Velocity (RMS) | 0.1-199.9mm/s | 10Hz-1.5kHz | 0.1mm/s | |
| Displacement (P-P) | 0.001-1.999mm | 10Hz-1kHz | 0.001mm | ±(10%+2dgts) |
| Automatically rotatable screen | √ | | | |
| High/Low frequency acceleration | √ | | | |
| Datahold | √ | | | |
| Flashlight | √ | | | |
| LCD type | 2.4" TFT color screen, full view | | | |
| LCD backlight | √ | | | |
| Auto power off | 5 minutes without operation | | | |
| Probes | Long and short probes (optional), magnetic sucker (UT312A only) | | | |
| Battery indication | √ | | | |
| Battery type | 1350mAh/3.7V lithium battery | | | |
| Charging interface | Type-C | | | |
| Charging voltage | DC 5V | | | |
| Charging time | About 3h | | | |
| Battery duration | About 12h | | | |
| Operating temperature and humidity | 0°C~40°C; ≤80%RH, non-condensing | | | |
| Storage temperature | -20°C~60°C | | | |
| Characteristic | UT311A | UT312A | | |
| Standard accessories | Long and short probe, U-type magnetic sucker (UT312A only), USB-C charging cable, User manual, Safety instructions | | | |
| Product size | 180 x 28 x 64mm (including the short probe) | 168 x 28 x 64mm | | |
| Product weight | About 191g (including the short probe) | About 364g (including the short probe) | | |











UT310A Series


UT311A/UT312A

Vibration Testers

This is a handheld vibration tester which consists of acceleration sensor and digital display circuit. It is an ideal inspection tool which mainly used to measure vibration acceleration, velocity and displacement of mechanical equipment.

-  High accuracy
-  Multiple modes
-  Rotatable screen
-  Flashlight
-  Multiple probes

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Appearance difference



UT311A All in one

UT312A Split type

2.4" TFT color screen



Better display the measurement value and status

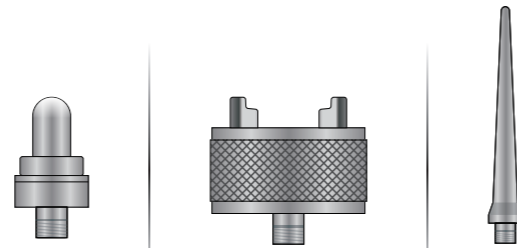
Automatically rotatable screen



Easy to view and operate

Multiple probes

Suitable for measurement in different places



Short probe

U-type magnetic sucker (UT312A only)

Long probe

High sensitivity sensor, accurate measurement



Accuracy: $\pm(5\%+2\text{dpts})$



Use piezoelectric ceramic measurement techniques

Multiple measurement



Acceleration
0.1-199.9m/s²

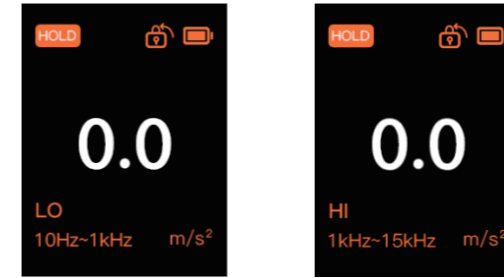


Velocity
0.1-199.9mm/s



Displacement
0.001-1.999mm

Switchable high and low vibration frequency



Come with flashlight



For measurements at night or in environments with undesirable lighting conditions

Rechargeable lithium battery



Large battery capacity and long time of endurance

Simple design



Compact structure, easy to carry and use

Application Scenarios



Machine maintenance



Power industry



Metallurgical industry



Petrochemical industry

