



Models	UT311A		UT312A	
				
Language	EN, FR, DE, IT, ES, SV, PL, CZ			
Parameter	Range	Frequency	Resolution	Accuracy
Acceleration (PEAK)	0.1-199.9m/s <sup>2</sup>	LO: 10Hz-1kHz HI: 1kHz-15kHz	0.1m/s <sup>2</sup>	±(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




  
[meters.uni-trend.com](https://meters.uni-trend.com)



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### Appearance difference

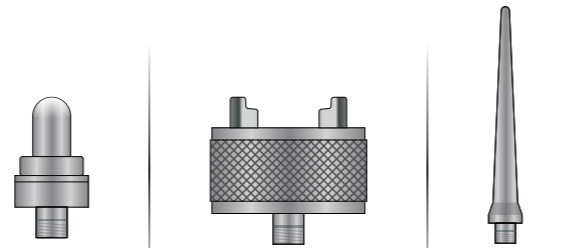


UT311A All in one

UT312A Split type

### Multiple probes

Suitable for measurement in different places

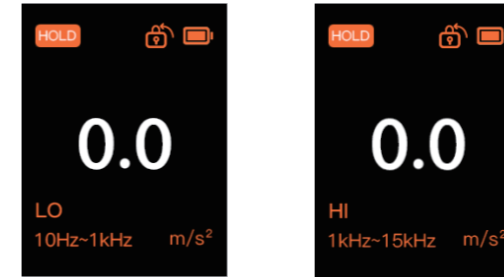


Short probe

U-type magnetic sucker (UT312A only)

Long probe

### 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

### 2.4" TFT color screen



Better display the measurement value and status

### High sensitivity sensor, accurate measurement



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



Use piezoelectric ceramic measurement techniques

### Application Scenarios



Machine maintenance



Power industry

### Automatically rotatable screen



Easy to view and operate

### Multiple measurement



**Acceleration**  
0.1-199.9m/s<sup>2</sup>



**Velocity**  
0.1-199.9mm/s



**Displacement**  
0.001-1.999mm



Metallurgical industry



Petrochemical industry

