

UNI-T®

Models	UT311A		UT312A	
				
Language	EN, FR, DE, IT, ES, SV, PL, CZ			
Parameter	Range	Frequency	Resolution	Accuracy
Acceleration (PEAK)	0.1-199.9m/S²	LO: 10Hz-1kHz	0.1m/s²	±(5%+2dgts)
Velocity (RMS)		HI: 1kHz-15kHz		
Displacement (P-P)	0.001-1.999mm	10Hz-1.5kHz	0.1mm/s	±(10%+2dgts)
		10Hz-1kHz	0.001mm	
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



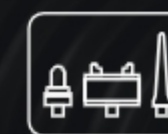
Multiple modes



Rotatable screen



Flashlight



Multiple probes



Q meters.uni-trend.com



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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

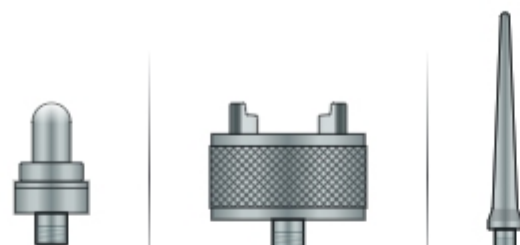
Automatically rotatable screen



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



Use piezoelectric ceramic measurement techniques

Multiple measurement



Acceleration

0.1-199.9m/s²



Velocity

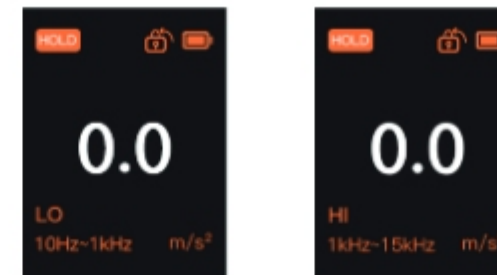
0.1-199.9mm/s



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

Application Scenarios



Machine maintenance



Metallurgical industry

Rechargeable lithium battery



Large battery capacity and long time of endurance

Simple design



Compact structure, easy to carry and use



Power industry



Petrochemical industry

