



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)		



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Para mayor información puede consultar el manual de usuario dando clic en el siguiente enlace:
<https://meters.uni-trend.com/download/ut310a-series-user-manual-spanish/?wpdmdl=12350&refresh=662fda325573d1714412082>



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

Appearance difference

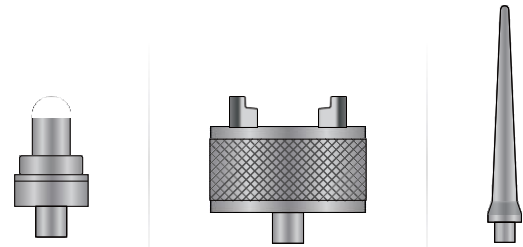


UT311A All in one

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



Rechargeable lithium battery



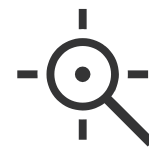
Large battery capacity and long time of endurance

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

Come with flashlight



For measurements at night or in environments with undesirable lighting conditions

Simple design



Compact structure, easy to carry and use

Automatically rotatable screen



Easy to view and operate

Multiple measurment



Acceleration
0.1-199.9m/s²



Velocity
0.1-199.9mm/s



Displacement
0.001-1.999mm

Application Scenarios



Machine maintenance



Power industry



Metallurgic industry



Petrochemical industry

