# **VIBRATION TESTER TV110**





### Features:

- Fast failure detecting of motor, electric fan, pump, air compressor, machine tools and so on
- Analysis of acceleration, velocity, and displacement
- Large memory of 100 readings and 10 frequency spectrograms
- hand-held accelerometer probe is available with a removable magnetic base for connecting with tested parts
- low battery indication
- Rechargeable battery
- large LCD display
- printer integrated, readings and vibration pattern can be printed out
- Upper and lower limit setting and sound alarm

## **Technical Specification**

Testing range	Acceleration	0.1m/s <sup>2</sup> -199.9 m/s <sup>2</sup> (peak value)	
	Velocity	0.01cm/s-19.99cm/s (virtual value)	
	Displacement	0.001mm-1.999mm (peak to peak value)	
Frepuency range	Acceleration	10Hz-500Hz, 10Hz-1KHz, 10Hz-10KHz	
	Velocity	10Hz-500Hz, 10Hz-1KHz	
	Displacement	10Hz-500Hz	1
Power	Nickel-hydrogen	battery	
Tolerance	± 5%		
Working temperature	0 <sup>°</sup> C - 40 <sup>°</sup> C		
Dimensions	270mm 🗙 86r	nm 🗙 47mm	
Weight	650g		
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Standard	Dolivory	
Stanuaru	Delivery	

- Main unit
- Accelerometer probe

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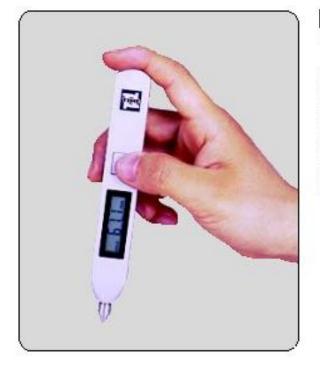
- Magnetic base
- Charger
- TIME certificate
- Instruction manual
- Warranty card

#### **Optional Accessory**

- Needle groupware
- . Short needle

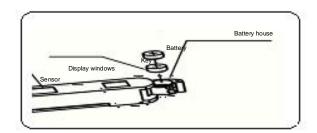
## VIBRATIONPENTV200/220/260





### Features:

- Used for fast failure detecting of motor, electric fan, pump, air compressor, machine tools and so on
- Compact size, small weight, easy handling
- Prompt testing of vibration on the workshop machines
- For quick checking of unbalance misalignment, bearings and gears
- Guard against mechanical malfunction
- Holding tested value for 40 seconds
- Automatic switch off after 40 seconds
- TV200 is used specially for velocity testing
- TV220 is used specially for displacement testing
- TV260 is used for testing of acceleration, velocity and displacement



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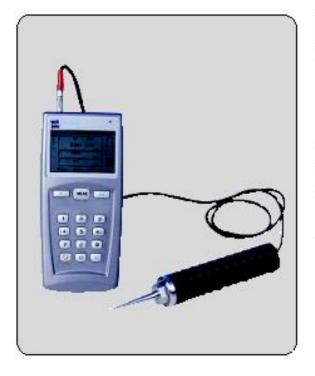
#### **Technical Specification**

	TV200	TV220	TV260		
Parameters	RMS of vibration velocity (mm/s)	Displacement	Acceleration, Velocity, Displacement	Standard Delivery Main unit	
Testing range	Velocity: 0.1mm/s~199.9mm/s	Displacement: 0.01mm~1.999mm (peal~peak)	Acceleration: 0.01-199.9m/s <sup>2</sup> (peak) Velocity: 0.01-199.9 mm/s(RMS) Displacement: 0.001- 1.999 mm (peak-peak) Acceleration:10Hz~1kHz	<ul> <li>Battery</li> <li>Protection pocket</li> <li>TIME certificate</li> <li>Instruction manual</li> <li>Warranty card</li> </ul>	
Frequency range	Velocity:10Hz~1kHz	Displacement: 10Hz _500Hz	Velocity: 10Hz~1kHz Displacement: 10Hz ~ 500Hz		
Tolerance	ic .	± 5%	·		
Display	ic .	$3_1/_2$ digits LCD			
Power supply	two b	utton batteries (LR44 or S	R44)		
Battery capacity	Approx.	4.5 hours working continu	ously		
Operating Temperature	10	<sup>0</sup> °C~ <sup>40</sup> °C			
Humidity	10	<85%	18mm		
Dimension	1.	50mm 🗙 22mm 🗙	5g (including batteries)		
DimensionWeight	22				



# **VIBRATION TESTER TV300**





#### Features:

- Advanced vibration tester with large measuring range
- Three display modes:

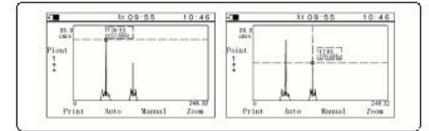
Special mode: displaying acceleration, velocity and displacement Common mode: displaying one of acceleration, velocity and displacement

Spectrum mode: displaying vibration spectrum

- large memory up to 1550 readings and 25 spectrums
- Easy diagnosis: alarm is sounded when vibration go over limit set, and get into spectrum mode
- testing results and spectrum can be printed out with optional micro-printer
- can be connected with PC by special software for further analyses of vibration

## **Technical Specification**

	Acceleration	0.1m/s <sup>2</sup> -392m/s <sup>2</sup> (peak value)
Testing range	Velocity	0.01cm/s-80cm/s (virtual value)
	Displacement	0.001mm-18.1mm (peak to peak value)
	Acceleration	10Hz-200Hz, 10Hz-500Hz, 10Hz-1KHz, 10Hz-10KHz
Frepuency range	Velocity	10Hz-1KHz
	Displacement	10Hz -500Hz
Power	Li-ion recharge	able battery
Display	LCD, 320× 20	00 pixels with backlight
Working temperature	0 °C- 40 °C	
Tolerance	± 5%	
Dimensions	171mm 🗙 78.5	5mm 🗙 28mm
Weight	230g	
	1	



Standard Delivery		
Main unit	1	
Accelerometer probe	1	
<ul> <li>Magnetic base</li> </ul>	1	
Charger	1	
Protection Pocket	1	
TIME certificate	1	
Instruction manual	1	
Warranty card	1	

#### **Optional Accessory**

- Needle groupware
- . Long needle
- Printer TA230 (see page 47)
- Dataview software

# **VIBRATION TESTER TV300**



## Dataview for TV300

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