

# Sonic belt tensimeter

**BTT-2880HZ**



# User's Manual

Thank you for buying this instrument. This instruction brief introduces the machine's functions, so that you can operate freely, please read this instruction carefully before using.

## 1. Overview

The instrument can be used to measure the frequency of the vibration of the belt when it is struck (unit: Hertz). The tester uses a microphone mounted at the end of the measuring probe for measurement.

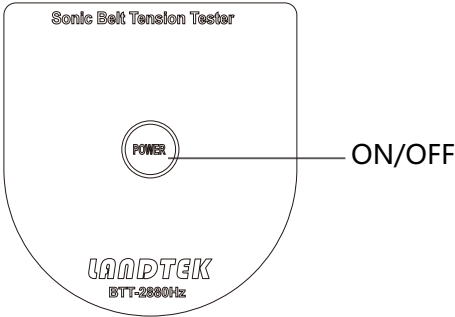
## 2. Matters needing attention

- Avoid collisions; The impact could cause damage to the instrument.
- Avoid splashing water, solvents or other liquids on the instrument.
- Avoid using instruments in a dusty environment.
- Stay away from the heat. Keep away from direct sunlight.
- Do not clean the instrument with volatile solvents.
- Portable probe is tubular. Do not bend the probe at an acute Angle.

## 3.Parameter

unit	HZ
scope	10HZ~500HZ
resolution of the	0.1Hz
precision	±1%
battery	4xAAA
According to	LCD
Operating temperature/humidity	0°C~40°C,Relative humidity80%RH
Storage temperature/humidity	0°C~50°C,Relative humidity70%RH
Automatic shutdown	It will automatically shut down if it is not used for 5 minutes
size	Instrument:72mmx32mmx140mm
weight	125g(Do not contain batteries)

4. panel



5. Meanings of LCD parameters

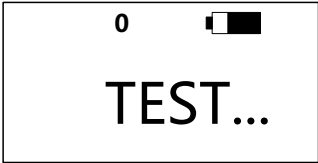


Fig 1



Fig 2

Serial number	instructions
1	Battery display
2	frequency

6. Method of measurement

- ① Tap the belt to vibrate while maintaining a maximum clearance of 10 mm. Do not let the probe touch the belt.
- ② After startup, the instrument will display "TEST..." on the screen. In the measurement.
- ③ When the tester emits a beeping sound, and displays the measurement results.
- ④ For the best results, always take the average of the three measurements.

note:

- ① For the newly installed belt, please turn the belt system at least 3 times, adjust the belt, and then measure.
- ② If the measured frequency exceeds the specified range, "ERROR" will be displayed.
- ③ Long press for 2 seconds to power on (FIG. 1), switch to (FIG. 2) during measurement, and long press for 2 seconds to power off.

7. Battery replacement

Battery capacity is displayed at the top right of the screen, indicating the amount of battery power remaining. The all-black icon indicates that the battery is full. An empty icon indicates that the battery is low.