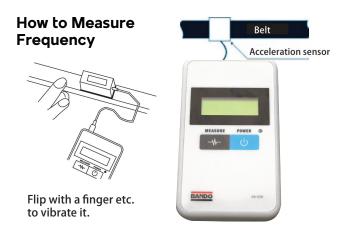
# **TENSION MASTER**





#### **Features**

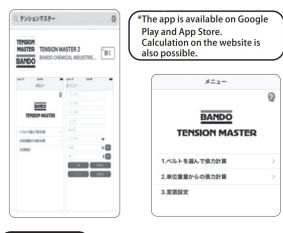
- As vibrations can be measured directly with the acceleration sensor, measurement can be performed even under a noisy environment.
  - (A sonic-type tension gauge senses noise simultaneously with the microphone, making it likely to result in a measurement error.)
- ② Accurate measurement is possible even with a layout or belt type that emits low-frequency sound, which is difficult to measure with the sonic type.
- 3 Measurement accuracy on the highest level in the industry.
- ④ The calculation function software can be used with a smart phone (tablets can also be used).
- ⑤ It can also be used as a measuring instrument for natural frequency of equipment, machinery, or buildings.



#### Measurement accuracy

- Measurement range of natural frequency: 10 to 1000 Hz
- Measurement accuracy of natural frequency:  $\pm 1\%$
- Sampling frequency: 3.2 kHz
- Operating ambient temperature: -10°C to 60°c

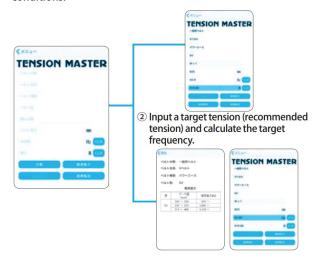
#### **How to Use**



### Pattern 1 Tension calculation by selecting a belt

1) Input operating conditions.

② Measure the frequency with the Tension Master. → Input the frequency and calculate



## Pattern 2 Tension calculation from the unit weight

 Input a unit weight and ② Measure the frequency with the Tension span length of the belt. Master.→ Input the frequency and calculate the tension.

