

ACOUSTIC BELT TENSION TESTER BTT2070

APPLICATION: The Acoustic belt tension tester Tester can be used to measure the vibration frequency (unit: Hertz) of the transmission belt when it is hit or moving fast.

FEATURES:

- *Adjustable probe.
- * Can store 20 set belt parameters.
- * Maximum frequency: 680 Hz.
- * Automatic shutdown, etc.

PRINCIPLE:

The calculation and measurement are based on the principle of "transverse vibration of string". The tester will pick up the vibration of the belt and record it as a frequency. Enter the mass, width, and span in the following formula. Frequency
 The relationship between and tension can be calculated in the following formula: $T=4 \times M \times W \times S^2 \times F^2 \times 10^{-9}$

SPECIFICATION:

Measuring range	10Hz-680Hz
Belt free strand length	Max 9999 mm
Belt width	Max 999.9 mm/R
Belt mass	Max 999.9 g/m
Precision	$\pm 1\text{Hz} < 100\text{Hz}$ AND $\pm 1\% > 100\text{Hz}$
Digital sampling accuracy	< 1%
Display accuracy	$\pm 1\text{Hz}$
Overall accuracy	< 5%
Operating temperature	+10° C~ +50° C
Transport temperature	-5 ° C~-70° C
Display	LCD
Measurement unit	Hz/N
Power supply	4×1.5V AAA
Housing	Plastic(ABS)
Dimensions	140mmx7mm2x34mm
Package size	248mmx206mmx52mm
Standard Accessories	Main Unit, Manual, Case

