

Sonic belt tension tester



BTT-2880S

Model : BTT-2880S

Application

It can be used to measure the vibration frequency (unit: Hertz) of the transmission belt when it is hit or moving fast.

- * Detachable detector.
- * Stores 20 set frequency readings.
- * 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:

$$T=4xMxWxS^2 xF^2 x10^{-9}$$

specifications

Measuring range	10-680Hz
Belt free strand length	Up to 9999 mm
Belt width	Up to 999.9 mm/R
Belt mass	Up to 999.9 g/m
Precision	±1HZ<100HZ AND ±1%>100HZ
Digital sampling accuracy	< 1%
Display accuracy	±1Hz
Overall accuracy	< 5%
Operating temperature	+10° to +50° C
Transport temperature	-5 to +70° C
Display	LCD
Measurement unit	Hz/N
Power supply	4×1.5V AAA
Housing	Plastic(ABS)
Dimensions	140x72x34mm
Package size	248x206x52mm
Standard Accessories	Main Unit (one)
	Socket type measuring head (one)
	Operating Instructions (one copy)
	Portable suitcase(one)