



# Belt Tension Testers



Fig. 1



Fig. 2



Fig. 3  
Flexible Sensor



Fig. 4  
Replacement  
Cord Sensor



Fig. 5  
Inductive Sensor

## FAST, ACCURATE TENSION READINGS

Testing tension with a spring tester requires muscle, a piece of string and at least three hands! The Sonic Tension Meter works on the theory that belts, like strings, vibrate at a particular natural frequency based on mass and span length. The meter converts this frequency into a measurement of tension.

To test tension:

1. Enter belt mass constant, belt width & span length into meter.
2. Hold meter to belt span, then strum belt to make it vibrate. The meter will measure the vibration and convert into belt tension.

### Features:

- Output reading measurable in hertz, pounds, kilograms and newtons.
- Frequency range from 10-5000 hertz.
- Variable frequency range filters.
- Auto gain control automatically adjusts meter sensitivity.
- 20 memory registers for belt constants.

### Sonic Tensioner Meters with Cord Sensor

Catalog Number	Fig.	Model
*QBSONIC TEST-01	1	505C
QBSONIC TEST-03	2	507C

\*To be discontinued when present stock is depleted

### Optional Accessories

Catalog Number	Fig.	Model
QBSONICSENS-FLEX	3	Flexible Sensor: can be bent and repositioned for one-hand options
QBSONICSENS-CORD	4	Replacement Cord Sensor
QBSONICSENS-INDU	5	Inductive Sensor: use in high-noise or windy environments
QBSONIC-ACADAPT	—	Replacement A/C Adapter: only available for former Model 305FD

