

BELT TENSION TESTERS

SDPSI

FAST, ACCURATE TENSION READINGS
EASY-TO-USE
COMPACT & LIGHT
RoHS COMPLIANT

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM



> FEATURES:

- Suitable for multi-ribbed belts, V-belts and synchronous belts.
- Output reading measurable in hertz, pounds, kilograms and newtons.
- Frequency range from 10-5000 hertz.
- Measured accuracy: $\pm 1\%$.
- Variable frequency range filters.
- Auto gain control automatically adjusts meter sensitivity.
- NEW** OLED screen backlight.
- 40 memory registers for belt constants.



Model 550C
Shown with Flexible Flat Sensor (included)

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 converts into belt tension.

INCH COMPONENT

Catalog Number	Model
Sonic Tension Meter with Flexible Flat Sensor	
A14Z 6-742004	550C

OPTIONAL ACCESSORIES

 <p>A14Z 7-742010 Inductive Sensor: use in high-noise or windy environments</p>	 <p>A14Z 7-742005 Flexible Flat Sensor: allows belt tension measurements to be taken in narrow spaces where previously it was not possible.</p>	 <p>A14Z 7-742006 Replacement Cord Sensor</p>	<p>A14Z 7-742008 Replacement A/C Adapter: only available for former Model 305FD</p>
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PENCIL TYPE TENSION GAUGE

Maximum Deflection Force: 30 lbs

INCH COMPONENT
Catalog Number
A14Z 6-740176



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