



SONIC BELT TENSION METER U-508



Store up to
500
measured
readings

- NEW**
- > Store up to 500 measured readings
 - > Input data memory up to 40.
 - > Can be used for synchronous and V-belts.
 - > Uses sound waves instead of force/ deflection.
 - > Results are repeatable with any operator.
 - > Portable, lightweight and easy to use.
 - > Fast. Calculates tension in seconds.

GET CONSISTENT, ACCURATE BELT TENSION READINGS EVERY TIME!



Get consistent, accurate belt tension readings every time!

Gates Sonic Tension Meter measures belt tension by analyzing the harmonic characteristics of a vibrating belt. Strum the belt like a guitar string and the meter takes care of the rest. Belts, like strings, vibrate at a particular natural frequency based on mass and span length. Gates Sonic Tension Meter simply converts this frequency into a measurement of tension.

Here's how it works:

First, enter belt mass constant, belt width and span length into meter using built-in keypad. Next, hold meter sensor to belt span, then lightly strum belt to make it vibrate. Press "measure" button to obtain reading and the meter quickly converts vibrations into belt tension. Readings are displayed on LCD screen. Use the standard cord sensor to reach inside cramped compartments where conventional measurements would be impossible. An optional flexible sensor can be bent and re-positioned for convenient, one-hand operation. Use the optional inductive sensor to measure belt tensions in high-noise or windy environments.

ACCESSORIES (Capable of using for U-507, U-505, and U-303)

Long arm sensor
(PN: 7420-0215)

Not RoHS certified equipment



With an entire arm length of 350mm, it is possible to reach distance that the sonic tension meter is hard to reach. (Sensor : 12.5mm)

Cord type sensor
(PN: 7420-0209)

RoHS certified equipment



With a size of 12.5mm, the sensor (entire arm length is 1m) is able to reach inside cramped compartments where conventional measurements would be impossible.

Inductive Cord Sensor
(PN-7420-0206J)

RoHS certified equipment



An optional flexible sensor can be bent and repositioned for convenient, one-hand operation. Use the optional Inductive sensor to measure belt tensions in high-noise or windy environments.