

GATES' SONIC TENSION METER 507C

Accurate - Compact
Computerised - Easy to use

Correct belt installation tension is essential for optimum performance and reliability of multi-ribbed, V-belt and synchronous belt drives. The 507C sonic tension meter ensures simple and extremely accurate tension measurement by analysing sound waves from the belt through the sensor. It processes the input signals and displays the accurate tension measurement digitally.

The 507C sonic tension meter enables non-contact, simple and accurate measurement of installation tension by analysing sonic wave action, which is related to belt function. The sonic wave is generated by flipping the belt span with the belt standing still, and it is captured by the sensor and processed by a high performance computer. Belt tension is displayed digitally.

The new system uses special sensors to detect belt oscillation wave forms. Data from these sensors is sent to the microcomputer inside the sonic tension meter for processing and conversion into the natural frequency.



Gates' tension tester is user-friendly: it is compact, computerised and stores data for repetitive use. Gates' sonic tension tester measures belt tension accurately every time. It is supplied with a handy instruction manual.



FEATURES

- H 160 mm x D 26 mm x W 59 mm
- Batteries: 2 x AAA
- Suitable for multi-ribbed belts, V-belts and synchronous belts
- Measurement range: 10 Hz to 5,000 Hz
- Measured accuracy: $\pm 1\%$
- LCD screen backlight
- Double display possible (Newton and/or Hz)
- Flexible sensor
- Cord sensor, inductive sensor and oscillator available on request
- Stores weight, width and span constants for up to twenty different drive systems
- Auto gain adjustment function automatically eliminates background noise
- To save energy, the device shuts off automatically after ten minutes of inactivity
- CE approved

NEW!

RoHS compatible: the device complies to the European Directive (2002/95/IEC) on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Your distributor:

