



DRIVEN BY POSSIBILITY™

# GATES BELT TENSION METER SONIC 550C

## ACCURATE AND CONSISTENT BELT TENSION MEASUREMENTS

Do you need to establish a specific drive belt tension for your machine applications? Then reach for the **Gates belt tension meter SONIC 550C** and determine the degree of loads and tension of your belt installations immediately and with utmost precision.

Applicable to a V-belt, a multi ribbed belt or a synchronous belt, the device analyses sound waves from the belt through the sensor and delivers you the **accurate tension measurement without delay**, which is essential for the optimum performance and reliability of your belt drives. Belt pretension data can be determined by using Gates DesignFlex™ Pro™ Drive design software, available on [Gates.com](https://www.gates.com).

The Gates belt tension meter SONIC 550C ensures a **smooth user experience** including an easier reading of data thanks to its high definition OLED display. The device is compact, convenient to use and precise.

## FEATURES + BENEFITS

- Suited for multi-ribbed, V- and synchronous belts
- Measuring accuracy: +/- 1%
- Double display possible (Newton and/or Hz)
- Auto shutdown after 5 min. of inactivity
- CE approved – RoHS compatible
- Auto gain control
- Compact model: 160 mm x 26 mm x 59 mm (H x D x W)
- 40 storage registers
- **NEW** OLED screen with optimised resolution
- **IMPROVED** frequency ranges:  
LOW (10-50 Hz),  
STANDARD (10-1000 Hz),  
HIGH (900-5000 Hz)

**PERFECT TENSION OUTPUT FOR OPTIMUM BELT PERFORMANCE AND RELIABILITY**



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## THE PERFECT PACKAGE FOR YOUR NEEDS

THE NEW SONIC 550C TENSION METER IS AVAILABLE ALONG WITH ACOUSTIC SENSORS

### Standard package (PN 7420-00550)

In each standard package, a flexible acoustic arm sensor is included. Easily connect the sensor to your Sonic 550C Tension Meter thanks to male – female connectors on both devices. Simple and practical!

- 170 mm. arm length
- Range: 10 – 5.000 Hz

### Additional cord sensor (PN 7420-00206)

- 1.000 mm. cord length
- Range: 10 – 5.000 Hz

### Additional inductive sensor (PN 7420-00212)

5 magnets are included to be used with the inductive sensor.

- 1.000 mm. cord length
- Range: 10 – 5.000 Hz
- Material: Neodymium (NdFeB)
- 9.5 mm. diameter
- 1.6 mm. thickness

#### INDUSTRIES

- Construction
- Mining
- Textile
- Laundry
- Stationary Machinery & Tools
- Pulp & Paper
- Packaging & Automation

#### APPLICATIONS

- Heavy Duty Equipment
- Fans + Pumps
- Conveyor Systems
- Industrial Machines
- Compressors
- Centrifuges
- Bottling Machines
- HVAC
- Truck & Bus
- Steel Mill (Cold/Hot)
- Dough Mixer



### Sonic 550C sensor compatibility

All sensorheads are compatible and can be mounted on the following Sonic Tension meter models:

- Sonic 505C
- Sonic 507C
- Sonic 508C
- Sonic 550C

**IMPORTANT NOTE! GATES SONIC TENSION METER SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.**