



DRIVEN BY POSSIBILITY™

GATES 550C SONIC TENSION METER

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 550C sonic tension meter 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 at www.GatesAustralia.com.au/DriveDesign.

The Gates 550C sonic tension meter 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.

PERFECT TENSION OUTPUT FOR OPTIMUM BELT PERFORMANCE AND RELIABILITY

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)



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THE PERFECT PACKAGE FOR YOUR NEEDS

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

Standard Package (PN 74200550)

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

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

IMPORTANT NOTE:

GATES SONIC TENSION METER SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.

Additional Cord Sensor (PN 74200206)

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

Additional Inductive Sensor (PN 74200212)

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

Flat Flexible Sensor (PN 74200205)

Bend to required shape for convenient one-hand operation.

Replacement Magnets (PN 74201212)

To be used with PN 74200212.

Sonic 550C Sensor Compatibility

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

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



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