

BTM-400 PLUS Belt Tension Meter

- Displays belt tension in Newtons (N) or pounds (lb) or, alternatively, frequency in Hertz (Hz)
- Takes measurements quickly, displaying accurate results within one second
- Easy-to-use keypad design simplifies operation
- Menus are displayed in English, or the user can select German, French or Italian

Maintain drive belts at the manufacturer's recommended tension for maximum life.

Drive belts achieve maximum lifetime and efficiency when tensioned to the manufacturer's recommended tension.

The new CHECKLINE® BTM-400PLUS Belt Tension Meter provides an easy, reliable method for accurately measuring static tension in flat, V, cog or toothed belts of rubber, leather, plastic and composite materials.

The BTM-400PLUS' hand-held, LED-optical sensor is cable-connected to the gauge body, which contains a microprocessor that converts the sensor signal to a pre-selected reading of either Belt Vibration Frequency (Hertz) or Belt Tension (Newtons [N] or pounds/force [lbf]).

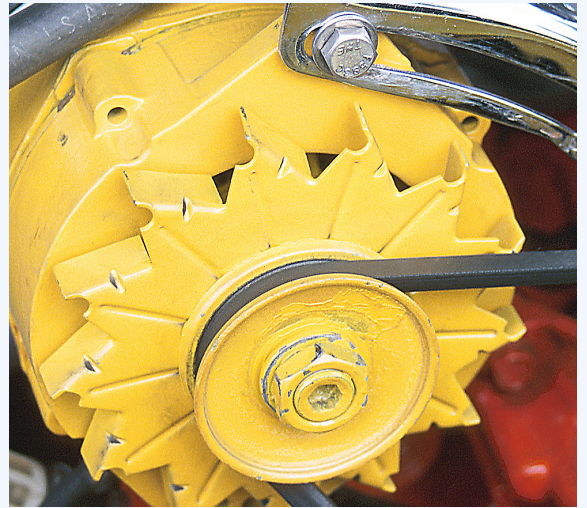
Results are displayed on a bright, easy-to-read LCD display. An acoustic signal indicates a successful measurement.

The meters' optical sensor is unaffected by ambient noise, offering improved performance versus competitive, acoustic sensor-based designs



Specifications

Measuring range	10 – 800 Hz
Digital sampling error	< 1%
Indication error	± 1 Hz
Total error	< 5%
Operating temp.	50 to 122 °F (10 to 50 °C)
Max. storage temp.	23 to 158 °F (-5 to 70 °C)
Gauge body material	Plastic (ABS)
Dimensions, body	3.15 in. x 4.96 in. x 1.47 in (80 x 126 x 37mm)
Dimensions, case	8.9 in x 7.0 in x 2.0 in.(226 x 178 x 50mm)
Display	2-line LCD, 16 char./line
Languages	English, German, French, Italian
Free span length, max.	30 ft. (10 m)
Belt density, max.	10 kg/m
Power supply	9-volt alkaline battery



The BTM-400PLUS is supplied as a complete kit, including gauge, wand sensor, plug sensor, and an operating manual in a foam-fitted, carrying case.

