

Infrared Belt Tension Tester



Model: BTT-2880R5

Applications & Features

The Infrared Belt Tension Meter can measure the belt tension of motor and other machines quickly.

- * Using laser sensor, direct measurement, more convenient than mechanical sensor.
- * The size of the split sensor is small, which is suitable for measuring in a narrow space.
- * Two kinds of sensors selectable, the integrated sensor and the split sensor.
- * Metric or imperial units can be used to display readings.
- * With automatic power off function.

Measuring Principle

This tensiometer can measure the natural vibration frequency of the belt through the emission and reception of the laser, and then calculate the tension value of the belt by combining the input belt mass and the free belt length.

Specifications

Measurement Range	10~500Hz
Input Range	Free Belt Length Max 99.99 m
	Belt Mass Max 9.999 kg/m
Digital Sampling Error	< 1%
Display Error	± 1Hz
Total Error	< 5%
Operating Temperature	+10~50°C
Transportation Temperature	-5~50°C
Display	LCD
Unit of Measurement	Metric: m, kg/m, N
	Imperial: Inch, lbs/foot, lbf
Optical Path Distance	3~20 mm
Depth of Split Sensor	About 66mm
Power Supply	4x1.5V AAA (UM-4) Battery
Size	Main Unit: 178x72x34 mm
	Sensor: 124x21x12mm
Weight	180g (Not Including Battery)
Standard	Main Unit
Accessories	Split Sensor
	Carrying Case(B04)
	Operation Manual