

## INFRARED BELT TENSION TESTER BTT2790

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

### FEATURES:

- \* 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 tension meter 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.

### SPECIFICATION:

Measurement Range	10Hz~500Hz
Input Range	Free Belt Length Max 99.99m Belt Mass Max 9.999kg/m
Digital Sampling Error	<1%
Display Error	±1Hz
Total Error	<5%
Operating Temperature Range	+10°C~50°C
Transportation Temperature Range	-5°C~50°C
Unit of Measurement	Metric: m, kg/m, N Imperial: Inch, lbs/foot, lbf
Optical Path Measurement Distance	3mm~20mm
Depth of Split Sensor	About 66mm
Power Supply	4x1.5V AAA (UM-4) Battery
Size	Main Unit: 178mmx72mmx34mm Sensor: 124mmx21mmx12mm
Weight	180g (Not Including Battery)
Standard Accessories	Main Unit, Split Sensor, Manual, Case

