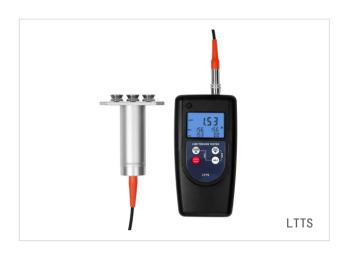
## **DIGITAL INSTRUMENT**

# **Digital Tension Meter**



#### **General Specifications**

Unit	kgf, gf, N, Lbf			
Measuring Principle	Strain gauge			
Measuring Frequency	16 msec (62.5 samples/sec)			
Sensing Roller	Deflection of Sensing Roller (max.) 0.2mm			
Overload Capacity	150% of Full Scale			
Temperature	Zero: less than +0.3% FS/°C			
Coefficient	Span: less than +0.01% FS/°C			
Display	Blue Back light LCD			
Display Update Rate	0.5, 1.0, 2.0 or 4.0 seconds, selectable			
Memory System	Current Value, Max. Value,			
Wentory System	Peak Value, Min Value			
Overrange Indicator	Buzzer Alarm			
Power Off	10 Minutes Auto, Manual			
Data Output	USB, Bluetooth (Optional)			

#### Model Specifications

### Model: LTTS

#### Applications & Features

The LTTS Digital Tension Meter is a hand-held device which accurately measures the running as well as static tensions of a wide variety of process materials including yarns, fibers, wires, optical fibers, etc.

- \* It employs the 'three-roller principle' of tension test.
- \* High accuracy and high resolution.
- \* Digital display with no guessing or errors.
- \* Power is supplied by 4xAAA alkaline battery.
- \* With 4 measurement unit for selection, N, kg, lb, g.
- \* Current Value, Max. Value, Peak Value, Min Value can be displayed at the same time.
- \* With 10 minutes auto power off and manual power off.
- \* The Meter takes 62 tension measurements per second and displays the average of these measurements.
- \* With data output, by USB cable or Bluetooth adapter.

Roller Material	Stainless Steel (Standard) Plastic (Optional)				
Maximum Speed	2000m/min				
Power Supply	4x1.5 AAA(UM-4) Battery				
Operation Temperature	0~40°C				
Operation Humidity	<80%				
Weight	400g				
Size	Main Unit: 149x70x30mm Sensor: 102x81x34mm				

Model	LTTS-200	LTTS-500	LTTS-1K	LTTS-2K	LTTS-5K	LTTS-10K	LTTS-20K	LTTS-50K
	0~0.2kgf	0~0.5kgf	0~1.0kgf	0~2.0kgf	0~5.0kgf	0~10.0kgf	0~20.0kgf	0~50.0kgf
Tension Range	0~200gf	0~500gf	0~1000gf	0~2000gf	0~5000gf			
	0~1.96N	0~4.9N	0~9.8N	0~19.6N	0~49N	0~98N	0~196N	0~490N
Resolution	0~0.44Lbf	0~1.1Lbf	0~2.2Lbf	0~4.4Lbf	0~11Lbf	0~22Lbf	0~44Lbf	0~110Lbf
	0.001kgf	0.001kgf	0.001kgf	0.001kgf	0.01kgf	0.01kgf	0.01kgf	0.01kgf
	1gf	1gf	1gf	1gf	1gf			
	0.001N	0.001N	0.001N	0.01N	0.1N	0.1N	0.1N	0.1N
	0.001Lbf	0.001Lbf	0.001Lbf	0.001Lbf	0.01Lbf	0.1Lbf	0.1Lbf	0.1Lbf
Accuracy	$\pm 1.0\%$ or better		±1.5% or better					