



## KLABS Tension Meter



### DESCRIPTION

KLABS 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.

### FEATURES

- 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.

### SPECIFICATION

BASIC FUNCTION	RANGE
Tension Range	0~10.0kgf
	0~98N
	0~22Lbf
Resolution	0.01kgf
	0.1N
	0.1Lbf
Accuracy	±1.5% or better



## Technical Specifications

Parameter	Specification
Product Name	KLABS-KTT-990 Tension Meter
Unit	kgf, gf, N, Lbf
Measuring Principle	Strain gauge
Measuring Frequency	16 m sec (62.5 samples/sec)
Sensing Roller	Deflection of Sensing Roller(max.) 0.2mm
Overload Capacity	150% of Full Scale
Temperature Coefficient	Zero: less than +0.3% FS/°C 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, Peak Value, Min Value
Over range Indicator	Buzzer Alarm
Power Off	10 Minutes Auto, Manual
Data Output	USB, Bluetooth
Roller Material	Stainless Steel (Standard)
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