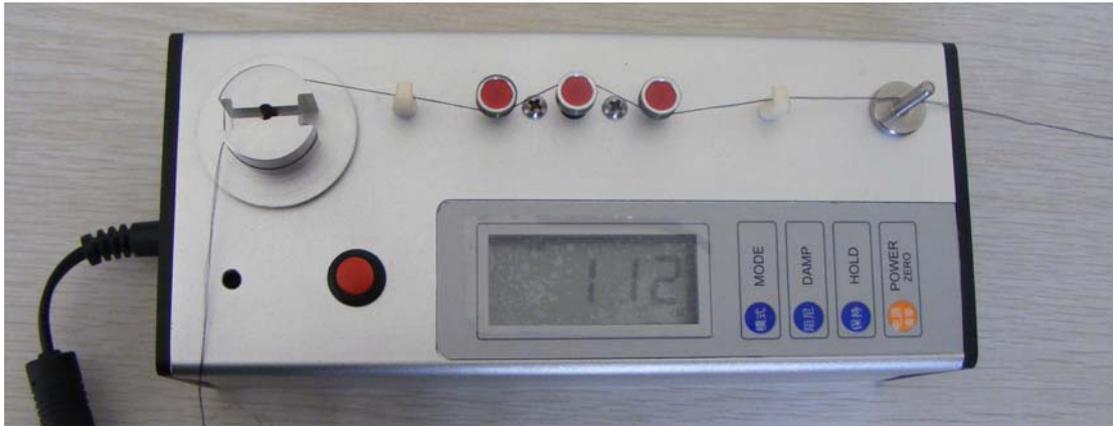




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FANYUAN INSTRUMENT (HF) CO., LTD.  
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## STM500 TENSION METER FOR SEWING MACHINE



Main Machine



Suitcase



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## MODEL NO.

STM500

### Application:

STM500 tension meter is used to measure and adjust the tension of sewing machines to get best and highest quality stitched seams.

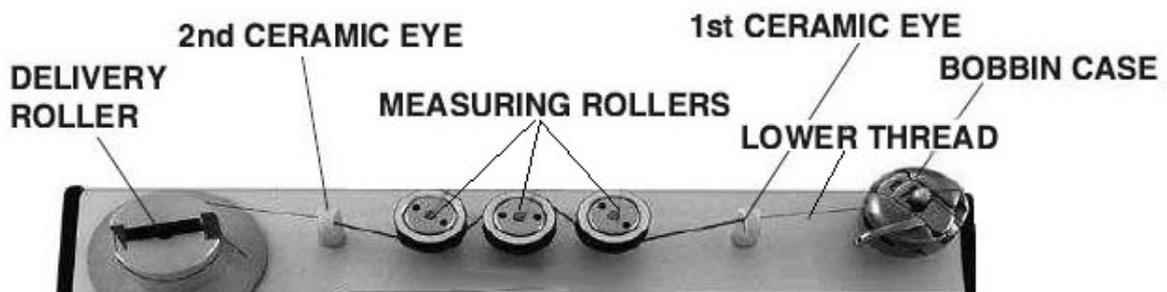
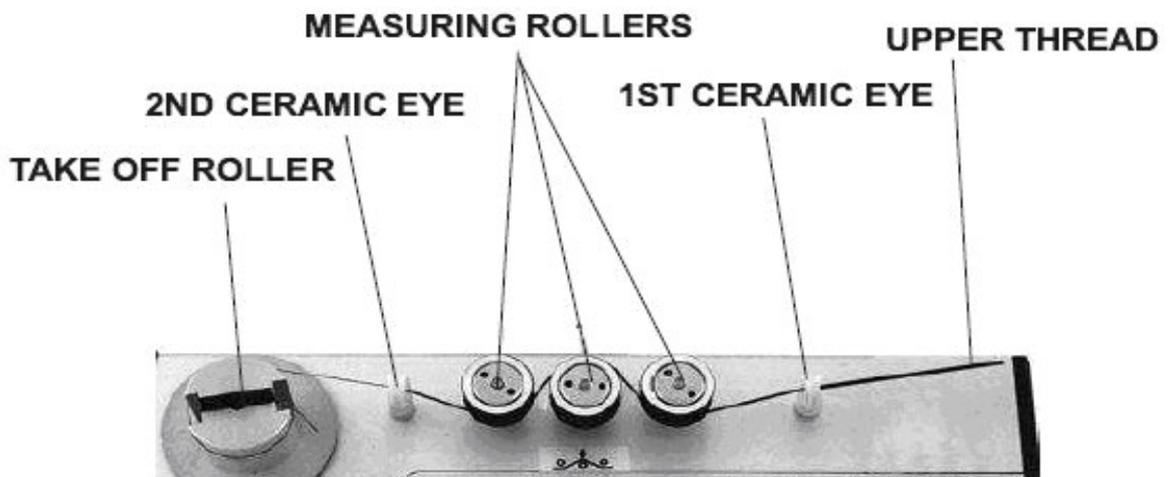
### Related Standards:

STANDARDS

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

### Features:

- Upper and lower thread both can be tested



- With Aluminum outer casing, no deformation, long life;



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- Zero setting using a button before starting measuring;
- Two units (g and cN) can be exchanged by press the Mode key;
- Tension value can be hold by press the hold key;
- Equipped with an electronic damping (10 steps) which ensures steady readings when tension fluctuates;
- The large LCD display (4-digit,12.7mm) shows the tension values when sewing machine working;
- Employ a strain-gauge system for accurately perceive and record the tension change;
- Automatically power off after about 3 minutes of non-operation.
- 

**Key Specification:**

- Accuracy ±1% full scale and ±1 digit
- Tension range 1-500cN、 1-1000cN
- Over range Approx. 10% full scale, without accuracy guarantee
- Overload protection 120% of tension range
- Sampling rate Approx.5 kHz(internal only)
- Display update rate Approx.2 times/sec
- Measuring roller deflection 0.5mm max.
- Temperature range 10~45℃
- Air humidity 85% RH, max
- Instrument dimensions 208×90×100mm(L×W×H)
- Instrument weight Approx. 1000g
- Power supply Two-Cell Alkaline Battery(2×AA, about 100h of continuous use);
- AC adapter 12V, 1.25A

**Standard configuration:**

No.	Item	Quantity
1	Main machine	1 set
2	Suitcase	1 set
3	Alkaline Battery	2 pcs
4	AC adapter	1pcs

**Optional Accessories:**

No.	Item	Quantity
1		