

T185 Electronic Tension Calibrator

1) Function

The T185 Electronic Tension Calibrator is a tension measurement tool used to test whether the stringing machine motor is accurate or needs to be calibrated.

Tension Calibrator:



Detection status:



In Charging:



Attention: This Tension Calibrator is equipped with a lithium battery. Please charge it at least once within each 45 days – even if you did not use it. Otherwise it might become completely discharged and scrapped.

2) Key button and charging port description

ON/OFF: For power on / off

This button has "Clear / Tare" function, too. In the power-on state, tap ON / OFF to clear / tare.

Clear: Zeroing

Tare: Forced to Zeroing. A term used for measuring instruments, to force start from zero.

KG/LB: Selection of measurement units

CHG: For charging

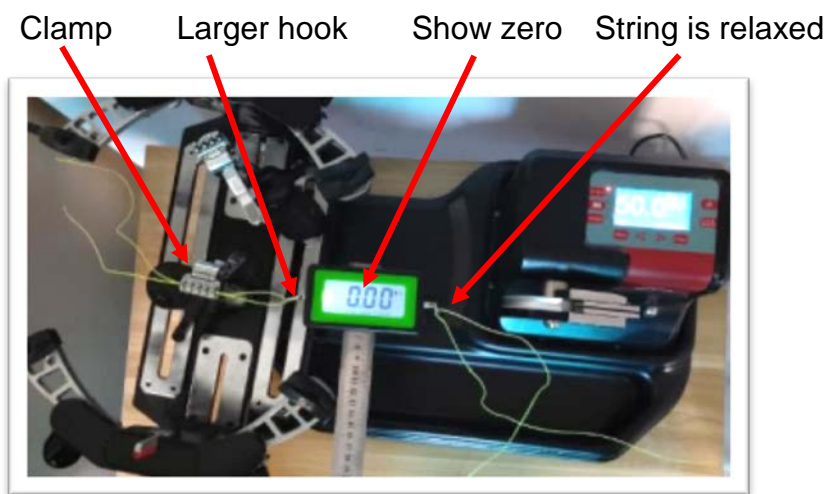


3) Measurement operation

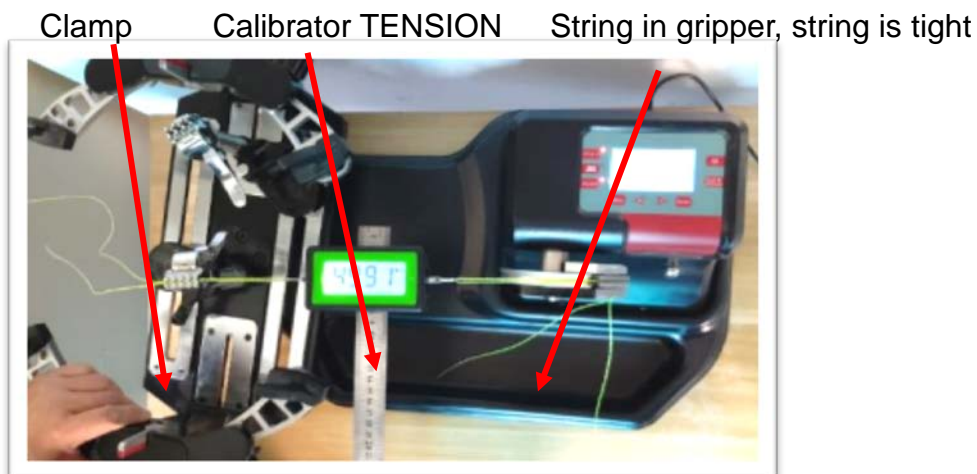
3.1 Start-up and return to zero: In off-state, make sure that the both hooks have no strings and are in a free state. Tap ON / OFF, the screen will light up, after about 2 seconds will return to zero, displaying 0.00KG or 0.00LB

3.2 Unit selection: Click KG / LB, the unit will switch between KG-LB. The selected unit is automatically saved and does not need to be reset at the next boot. The tension calibrator should be set to the same as tension head motor either KG or LB.

3.3a Pulling string preparation: Fix a string at each hook. The larger hook of the calibrator is fixed to the clamp, and locked. See as follows:



3.3b Pulling the string: Connect the smaller hook of the calibrator into the gripper and start to pull string. After reach to the setting value, calibrator and motor display show their tension data. See as follows:



3.3c Accuracy evaluation: Please make sure that the calibrator and the motor use the same unit (both are KG or both are LB). The calibrator is dynamically displayed in real time.

Please note:

pro's pro[®] tension heads are equipped with a constant force pulling function. Its tension value is displayed dynamically, but it has a constant force allowable error range (such as $\pm 0.3\text{LB}$). Within the set range, constant force maintenance adjustment is not activated and displayed. The value remains the same for better stringing experience.

Therefore, the indication of calibrator and the indication of motor cannot be completely synchronized and it is necessary to observe for a few seconds to determine the difference between the indication of calibrator and the indication of motor. Then determine whether the tension of the motor is accurate (motor allowable error range such as $\pm 0.3\text{LB}$).

4) Shut down

4.1 When the calibrator is on, press and hold the ON / OFF key for two seconds to turn it off.

4.2 In the relaxed state where the calibrator is not pulling string, it will close automatically in 5 minutes.

4.3 In the case of calibrator's tension data already stable, it will automatically shut down in 3 minutes.

5) Charge

Our Electronic Tension Calibrator is equipped with a rechargeable 3.7V lithium battery and can be charged using any standard USB port with +5DC. The orange (red) indicator is on, indicating charging status. The green light is on, indicating that charging is complete.

Charging status, orange (red) light is on.

