


DIGITAL TENSION GAUGE TensioMeter50

FEATURES	BATTERY REPLACEMENT
Suitable for all synthetic and wire mesh tension measurements.	1. When battery symbol appears on the display, it is time to replace the batteries.
LCD digital display, eliminating reading error.	2. Slide the Battery Cover away from the device and remove the batteries.
Use USB/RS-232 data output to connect with PC.	3. Install batteries paying careful attention to polarity.
Provide Bluetooth data output choice.	4. If the instrument is not to be used for any extended period, remove batteries.
Suitable for screen printing and screen stencil measurements, high accuracy. The ideal tension-control device. Robust and precise design guarantee reliable and accurate tension values. Can avoid the personal measurement error.	5. The batteries are located on the back of the device. 

SPECIFICATIONS			
MEASUREMENT RANGE	7~40 N/cm	WEIGHT	490 g (Not Including Batteries)
DISPLAY RANGE	0~50 N/cm	POWER OFF	2 modes *
RESOLUTION	0.1	ACCESSORIES	Carrying case 1 pc.
FIDUCIAL ERROR	5 %		Operation manual 1 pc.
OPERATING ENVIRONMENT	0 ~ 40 °C Temperature		Calibration board 1 pc.
OPERATING ENVIRONMENT	10 ~ 90 %RH Humidity	OPTIONAL ACCESSORY	Cable and software for RS232C Bluetooth data output
POWER SUPPLY	4 x 1.5 V AAA Size (UM-4) Battery		
DIMENSIONS	175 x 95 x 40 mm		

* Manual off at any time by depressing the power key till OFF shows on the display or automatic switching off after 5 minutes from last key operation.

MEASURING PROCEDURE
ZERO CORRECTION Hold the meter vertically with the point of the indenter hanging in the air, the reading on the display should be »0«. If not, depress the »ZERO key« to make the tester display »0«.
HIGH END CALIBRATION Just place the indenter onto the calibration board, the readings on the display should be between 49.7 and 50. If not, press »CAL key« to carry out high end calibration.
START MESH TENSIONING PROCESS Place the TensioMeter50 centrally to the clamping frame in warp direction. Pretension with 50 % force. Turn the TensioMeter50 by 90° degrees, stretch the weft direction to the final value. Check both directions again and correct if necessary.
UNIT SELECTION The general tension unit is N/cm, indicating how much tension is in the yarn per cm width. There is another unit of this instrument KG/cm. Press and hold the Power Key till »UNIT« appears on the display, converting between N/cm and KG/cm.

