

## WIRA Yarn Tension Meter

Order Code YTM:001

- Gives stable readings of average tension in running yarns
- Light and easy to handle
- Ideal for measuring yarn tension in winding, twisting, warping, knitting etc
- Weigh less than 0.25kg

The WIRA Yarn Tension Meter gives steady readings of the average tension in a running yarn even if the tension is fluctuating.

The yarn passes alternately over and under three pulleys, the centre one of which is carried on

a flexible strain-gauge cantilever beam. The output is read on the display of the instrument which is calibrated to represent the average yarn tension.

The meter is available in three ranges of tension measurement: 0-20g, 0-120g, 0-500g.

*Dimensions:*

*Width: 92 mm*

*Length: 165 mm*

*Depth: 60mm*

*Weight: 500g excluding battery and carrying case*

*Power supply: self-contained battery*

## WIRA Warp Tension Meter

Order Code WTM:001

- Indicates average warp tension in 2 minutes
- Facilitates control of fabric dimensions and quality
- Measures aggregate tension in a 127mm wide group of warp threads

The WIRA Warp Tension Meter is designed to measure the tension in the warp yarns of a loom during the normal weaving operation.

The measuring head comprises two fixed guides with a centrally mounted cantilever arm on to which are bonded silicon strain gauges. It measures the aggregate tension in a 127mm wide group of warp threads and is

used in the loom either between the beam and the back rail or between the back rail and lease rods or droppers.

Electrical damping is incorporated in the instrument to ensure a steady reading of average tension up to a maximum of 50kg.

The device can be easily moved from one loom to another without stopping the looms.

*Dimensions:*

*Width: 180mm*

*Depth: 90mm*

*Height: 210mm*

*Weight: 2kg*

*(complete with measuring head)*