

# MLT WESCO - Yarn Meter



## Portable yarn meter for measuring yarn consumption, yarn speed and yarn tension

The MLT WESCO is an electronic tester for measuring the speed of running yarn. It uses the speed measurement to calculate yarn length. The meter also displays the Normal, Average and Peak values for yarn tension. The MLT WESCO also displays the machine speed. All test values are shown on an easy to read back-lit LCD display.

This battery-powered, hand-held tester is easy to use and is ready for immediate use.

## Advantages

- A single unit to measure the yarn consumption, yarn speed and yarn tension of any knitting system
- The MLT WESCO makes it easy to comply with fabric specifications and repeat these later, even on different machines
- Shorter setup times because existing items can be called up and repeated
- Uniform stitch length ensures a uniform fabric structure
- Yarn length is easy to calculate accurately

### Applications

■ Circular knitting machines	■ Flat knitting machines
■ Sock machines	■ Warp knitting machines
■ Hosiery machines	■ Seamless machines

# MLT WESCO: components



Yarn length



Yarn speed



Yarn tension

## Parameters displayed

- Yarn length (consumption) in metres per revolution or yards per revolution for any number of machine revolutions in the range 1 to 100.
- Yarn speed in m/min or yard/min
- Yarn tension in cN, in yarn tension range from 0 to 50 cN
- Display of current normal mode, average mode and peak mode yarn tension values

## MLT WESCO software (optional)

The yarn tension values can be transmitted over a suitable interface to a personal computer for further processing.



Power supply:	Two 1.2 V rechargeable NMH batteries
Battery charger:	Primary, 100 to 240 V AC, 47 - 63 Hz; secondary 5 V, 2 A DC
LCD digital display:	1 to 9,999 metres or inches
Max. yarn speed:	1,000 m/min. or 900 yd/min.
Revolution measuring range:	1 to 100 revolutions
Battery life:	50 hours (approx.) in normal service
Battery stand-by time:	300 hours
Battery recharging time:	Approx. 6 to 8 hours
Yarn tension:	0 - 50 cN (normal, average or peak value)
Accuracy:	$\pm 1$ cm or $\pm 1$

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**ELECTROMATIC** Equipment Co., Inc., 600 Oakland Ave., Cedarhurst, NY 11516 – USA  
 Tel: 800-645-4330 (USA & Canada) ■ Tel: (516) 295-4300 ■ Fax: (516) 295-4399