

Textile Test Instrument | LMI / LMC

Two LM types are offered:

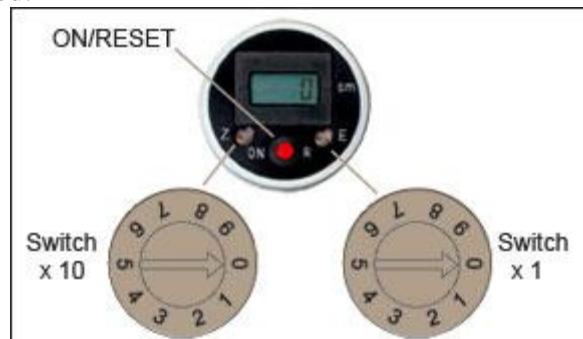
Models LMC and LMI manual type, where operator actuates and deactivates the measuring system after one or more operation cycles. (LMC is calibrated for centimeters; LMI is for inches). The consumption per cycle is then determined by dividing the total yarn consumption by the number of cycles or revolutions

Models LMC-S and LMI-S magnetic sensor type, where operator pre-sets number of cycles or revolutions (0-99) for the measuring period, eliminating the need to visually count the number of cycles. A small magnet is affixed to the rotating or moving part of the machine while the sensor is mounted on the frame. Each time the magnetic passes the sensor it actuates the instrument's electronic counter.



Operation - LMI-S / LMC-S

In "Auto" mode a permanent magnet is mounted to a revolving part of the machine. The sensor supplies the start/stop signal. The predetermined number of revolutions (frome 1 - 99 rev. set on the rotary switches at the front side) are counted and the comulated yarn consumption is displayed.



In "Basic" mode the unit works without external sensor; Operator determines measuring time by pushing start - stop button.

Advantage of LM use:

- Continued measuring of the yarn consumption of all knitting feeds ensures uniform stitch lengths and hence homogeneous fabric structure.
- Predetermined fabric specifications can be reliably maintained and repeated.
- The quantities of each type of yarn which are required for producing particular fabrics can be simply and accurately calculated.
- The use of LM ensures the same fabric quality, respectively structures can be produced on different machines in the same quality.

Features

- Magnetic mounting base and universal tube clamp for quick and easy setup.
- Precision, ball-bearing-mounted, low-inertia measuring wheel is rubber coated to eliminate yarn slippage
- Powered by two AAA batteries (included)
- Surface-mount electronics and a rugged, metal housing provide trouble-free operation in tough production environments.
- Can be used on yarns/fibers operating at line speeds up to 1500 m/min

Specifications

Range

0 – 99,999 cm (or Inches)

Accuracy

+/- 0.2% of displayed value, +/- 1 digit

Resolution

1 cm (or 1 Inch)

Display

LCD, 8mm high

Measuring Wheel Access

4mm wide x 270

Operating Temperature

10 to 45 °C (50 to 120 °F)

Pre-settable Cycle Capacity

0 – 99 (LMI-S or LMI-C models only)

Warranty

1 year