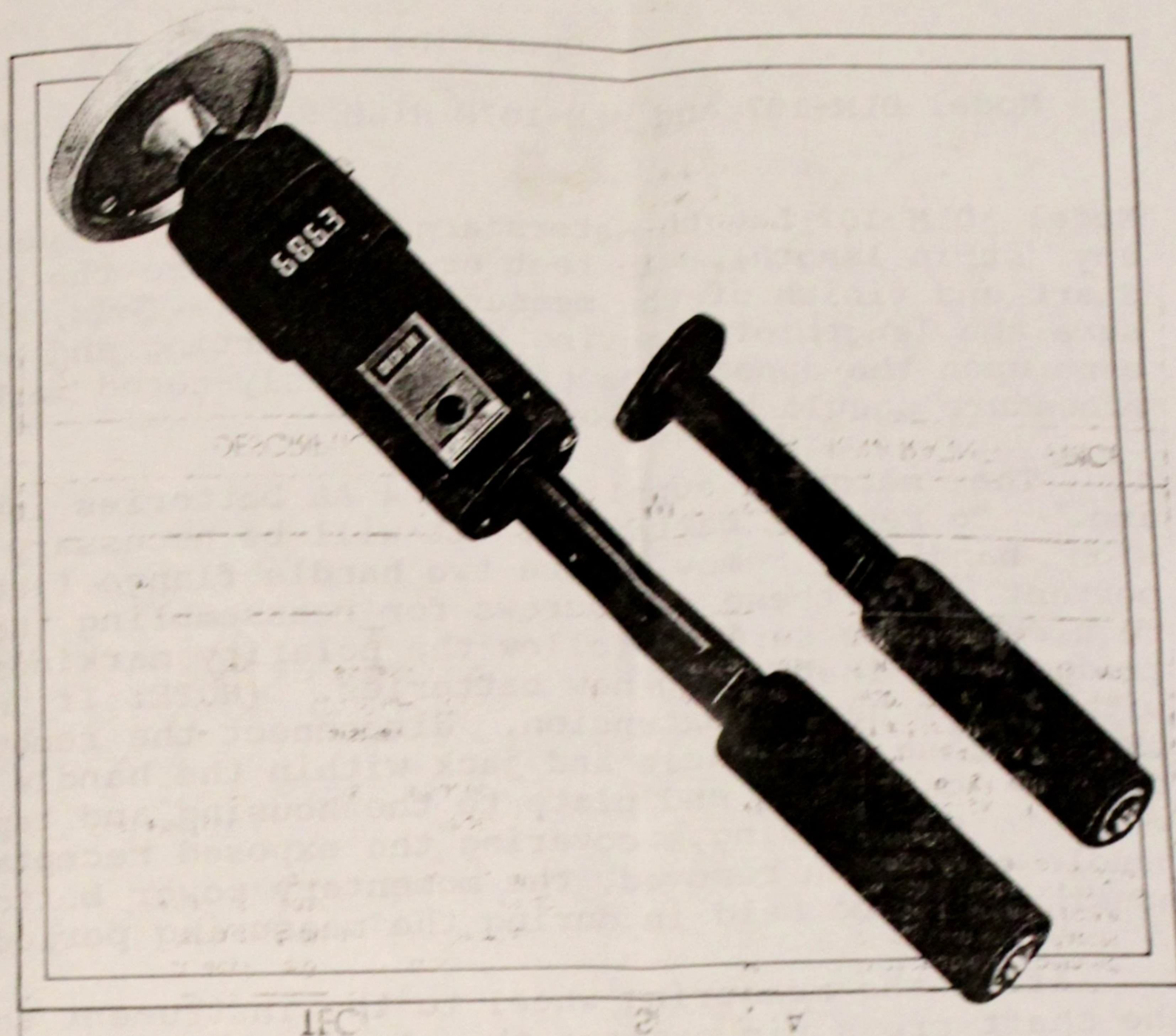


Hi-Speed DIGITAL LENGTH METER

DLM-107 (without handle)
DLM-107H (with handle)
0.1 - 9999.9 Feet or Meters

Accurately measure the length of moving dryer felts, strips and belts at speeds up to 2000 ft/min and higher.



- Last reading memory recall
- 12" detachable handle with thumb-operated power switch
- Metric version available
- C-MOS micro-processor
- Choice of measuring wheels

TECHNICAL DATA & SPECIFICATIONS

Accuracy:	± 0.1 (full scale)	Handle:	Detachable 12" painted aluminium with adapter flange, push/push power switch & rubber hand grip (longer handles optionally available).
Display:	5 digits, 0.4" (10mm) LED	Weight:	1.0 lb. (450g), without handle; 1.4 lb. (630g), with handle
Memory:	Last reading recall for up to 4 minutes after switch-off.	Dimensions:	8.3"L x 2.4"W x 2"H (211 x 61 x 51mm)
Battery Type:	4 x 1.5V "AA" (included)	Shaft Diameter:	9/32" (7mm)
Life:	8 hours continuous	Carrying Case:	For instrument body, incl. Measuring Wheel: Select from table
Low Voltage Indicator:	"B" display		
Operating Temp.:	32-120°F (0-45°C)		
Housing:	Die-cast aluminium		

MEASURING WHEELS*

TYPE	DESCRIPTION	MAX RPM RATING	PRICE
DT12	Rubber-tired, spoked aluminium	2000	
LME	Solid epoxy-fiberglass	7500	
LMA	Solid aluminium with knurled rim	5000	
LMR	Solid fiber with bonded rubber tire	5000	

CAUTION: Operation of instruments at speeds over 2000 RPM are strictly at user's own risk! For safe operation, always check set-screw tightness before each set of measurements!

ALWAYS WEAR SAFETY GOGGLES!

*Specify measuring wheel type when ordering

ELECTROMATIC

EQUIPMENT CO., INC.

600 Oakland Ave., Cedarhurst, NY 11516—U.S.A.
Tel. (516) 295-4300 Telex 645561 Fax (516) 295-4399

For additional information
or to place an order
CALL TOLL-FREE
1-800-645-4330

Operating Instructions

Model DLM-107 and DLM-107H HIGH SPEED ELECTRONIC LENGTH METERS

Model DLM-107 Length Meters are designed to measure fabric length (or any strip length), in feet or meters where the operator controls the start and finish of the measuring period. Thus, it is possible to measure the length of a moving belt by starting and stopping the measurement upon the appearance of a previously-noted marking. The following procedure should be followed:

1. The meter is supplied with 4 AA batteries installed in the housing. To replace batteries, it will be necessary to remove the extension handle by removing the two handle flange flat head screws. (Important: Save these 4mm screws for reassembling the handles assembly as required.) Be sure to follow the polarity markings on the battery cartridge when installing new batteries. (NOTE: If unit is to be operated without the handle extension, disconnect the remote switch by opening the in-line receptacle and jack within the handle itself, attach the battery cartridge end plate to the housing and tape the remote switch wire to the housing, covering the exposed receptacle end.) With the handle extension removed, the momentary power button on the side of the housing must be held in during the measuring period.
2. Affix the measuring wheel to the instrument shaft, being sure that the shaft cross pin engages the slot of the wheel hub. **TIGHTEN THE HUB SET SCREW.** With the handle held firmly, using one or two hands, bring the wheel edge to the moving surface belt or fabric, applying a light to moderate amount of pressure, only enough to assure good contact. There should be no indication in the LED readout.
3. To start measurement on DLM-107H models, press and release the red push button on the handle. An increasing reading in feet will appear in the window. To end the measurement, press the button again and release it.* The reading will be displayed for approximately 10 seconds and then disappear. To recall the measurement after the reading has disappeared, press the Memory Recall button on the face of the instrument.

EVEN THOUGH THE MEASURING WHEEL CONTINUES TO ROTATE AFTER THE SWITCH IS TURNED OFF OR THE WHEEL IS LIFTED FROM THE SURFACE, THE LAST READING WILL BE HELD IN MEMORY. Measurement is made only during the period when the power is on. Reactivating the power switch erases the previous reading.

NOTE: a flashing display indicates battery low voltage. Replace batteries as indicated in 1., above. To conserve battery power, do not leave handle switch in the down or "on" position, except during the measuring period.

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