



# DT-100 Series

## Contact Tachometers

**DT-105A** – LCD Display

**DT-107A** – LED Display

**DT-107A-12** – LED Display

- 0.10 – 25,000 RPM
- Built-in memory for last, maximum, minimum and 10 separate readings
- Rugged cast aluminum housing
- Includes traceable calibration certification

CHECK•LINE® DT-105A, DT-107A and DT-107A-12 contact tachometers accurately measure rotational and surface speed, as well as length. A built-in selector switch permits the user to display readings in a wide variety of engineering units.

The DT-107A-12 includes a 12" circumference measuring wheel which is offered for safer and easier surface speed measurement by keeping the users hand farther from the moving surface and slowing down the rotational speed.



**LCD Display**  
(DT-105A)



**LED Display**  
(DT-107A)

# DT-100 Series

## Specifications

<b>Display Range</b>	0.10 to 25,000 rpm with floating decimal
<b>Accuracy</b>	0.10 to 999.99 rpm: $\pm 0.06$ rpm 1,000.0 to 9,999.9 rpm: $\pm 0.6$ rpm 10,000 to 25,000 rpm: $\pm 0.006\%$ rpm
<b>Measurement Units</b>	
<i>per Minute</i>	Revolutions, Meters, Yards, Feet, Inches
<i>per Hour</i>	Feet, Yards, Miles, Meters, Revolutions
<i>Total</i>	Revolutions, Centimeters, Meters, Yards, Feet, Inches
<i>per Second</i>	Revolutions, Inches, Feet, Yards, Centimeters (optional, inquire)
<b>Memory System</b>	13 readings are stored in memory and retained for 5 minutes (last, max., min., and 10 measurements)
<b>Over-Range Indicator</b>	Flashing numerals
<b>Detection</b>	Optical coupler, 60 pulses/rev
<b>Update Time</b>	1 second (typical)
<b>Batteries</b>	Size: 2 1.5 V AA Life: Approx. 65 hrs. (DT-105A) Life: Approx. 40 hrs. (DT-107A)
<b>Low Voltage Indicator</b>	Flashing "LO BAT" display (DT-105A) "B" display (DT-107A)
<b>Operating Temp</b>	32° to 113° F (0 to 45° C)
<b>Weight</b>	0.9 pounds (400 grams)
<b>Dimensions</b>	7.3" L x 2.4" W x 1.8" H (185.4 x 60.0 x 45.7mm)
<b>Warranty</b>	1 year

## Complete Kit



All models are supplied as a complete kit including 6" circumference surface speed wheel, two cone tip adapters, funnel tip adapter, shaft extension, two AA batteries and an operating instruction manual—all supplied in a foam-fitted carrying case.

## LMA-3

### 12 in Circumference Knurled Aluminum Measuring Wheel

For use on high temperature materials as well as dry/wet felts in the papermaking industry



## FPM-12-CBL



Optional 12" Wheel for Large Diameter Cables, Tapes & Bands.

## CHECK•LINE®—PRECISION QUALITY CONTROL INSTRUMENTS

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