

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

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