

# Digital Contact Tachometers

**DT-105A** (LCD)

**DT-107A** (LED)

*The World's Finest Tachometers Are Now Even Better*  
Shimpo's microprocessor technology has heralded a superior standard in tachometer accuracy and capabilities for measuring and recording rotational/linear/surface speeds and total length. Offering unprecedented confidence via new improvements, the DT-105A and DT-107A battery-operated tachometers still feature the same rugged, high quality components that have made them the benchmark in the industry. These user-friendly, value-packed units feature expanded memory storage, added length functions, and many standard accessories.

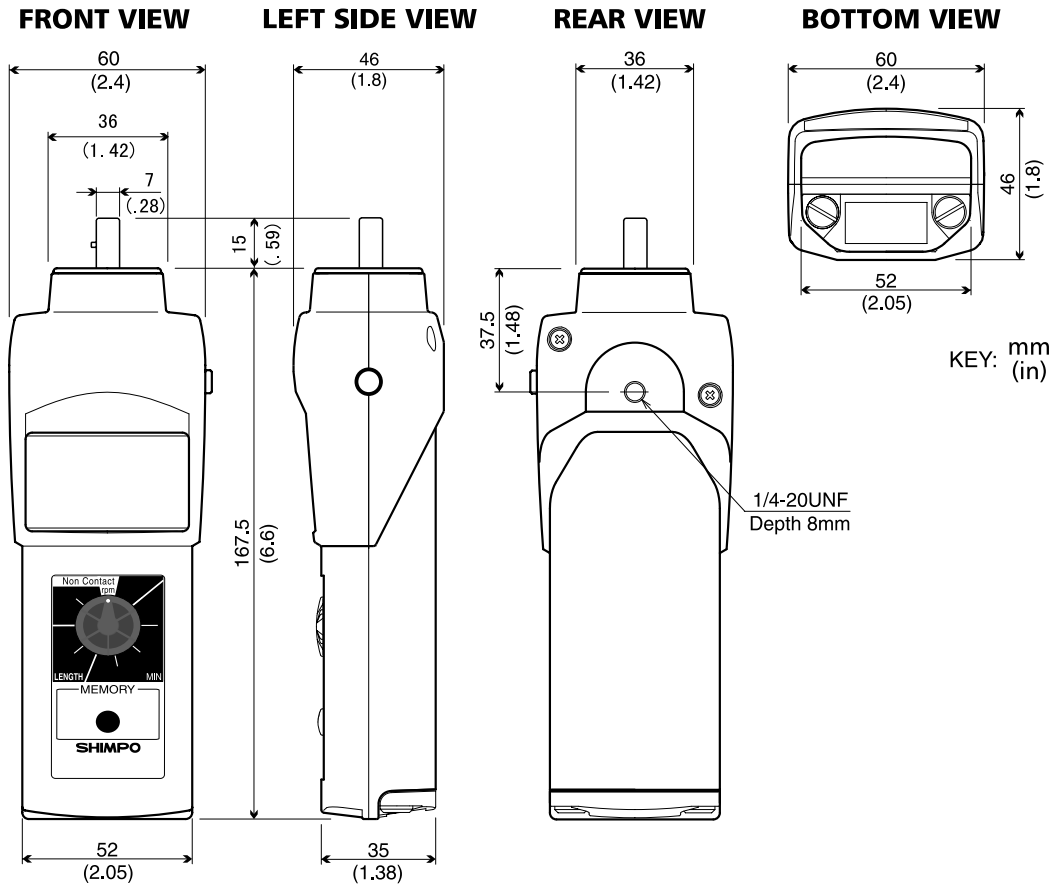
<b>Features</b>	<b>Benefits</b>
<b>Multi-mode speed selection</b>	Features 16 selections for optimum versatility
<b>Outstanding accuracy (<math>\pm 0.006\%</math> of reading)</b>	Provides reliable measurement results
<b>Rugged aluminum construction</b>	Built to stand the test of time
<b>Direct length measurement</b>	Offers value/versatility via added applications
<b>Extensive speed range (0.10 - 25,000 RPM)</b>	Maximizes usage in almost limitless applications
<b>Large 5 digit display</b>	Allows easy reading of numbers
<b>Lengthy battery life (40 - 60 hours)</b>	Advanced power management enables longer operating times
<b>Large 10 test memory capacity (selectable to 5 minutes or more)</b>	Stores last/min/max readings for thorough equipment and process inspection
<b>Total revolution display</b>	Enables rotation counting during process analysis
<b>CE mark</b>	Compliant with applicable EU directives
<b>Minimum shaft loading overspeed protection</b>	Prevents potential instrument damage



## Wire/Yarn Test Fixture

Optional fixture WY-100 is attached to the DT-105A/107A tachometers for rate and length measurement

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SPECIFICATIONS		
Model	DT-105A	DT-107A
Measuring Range	0.10 - 25,000 RPM with floating decimal	
Accuracy	±0.06 RPM : 0.10 - 999.9 RPM; ±0.6 RPM : 1,000.0 - 9,999.9 RPM ±0.006 % of reading ±1 digit (or 2 RPM max.) : 10,000 - 25,000 RPM	
Display	5 digit 0.47" (12 mm) high LCD	5 digit 0.4" (10 mm) high LED
Measuring Units	Revolutions : RPH,RPM Feet : FPH,FPM Miles : MPH Yards : YPH,YPM Inches : IPM Meters : mPH,mPM Length : m, cm, inches, feet, yards Total Revolutions : REV	
Memory	13 readings are stored in memory and retained for 5 minutes (last, max., min. and 10 extra measurements)	
Display Update Time	1 second (typical)	
Detection	Optical coupler, 60 pulses/rev.	
System Control	Single-chip C-MOS microprocessor	
Over Range Indicator	Flashing numerals	
Voltage Requirement	2 AA 1.5 V batteries	
Low Battery Indicator	Flashing "LO BAT" display	"B" display
Auto Power Shut-Off	Yes	
Battery Life	65 hrs approx.	40 hrs approx.
Operating Temperature Range	32° - 113° F (0 - 45° C)	
Decimal Point	Floating	
Construction	Die-cast aluminum housing	
Weight	0.9 lb (400 g)	
Dimensions	7.2" L x 2.4" W x 1.8" H (182.5 mm x 60 mm x 46 mm)	
Warranty	1 year	
Standard Accessories	2 cone adapters, 1 funnel adapter, 1 3-1/2" extension shaft, carrying case, 1 master wheel (6" cir.)	
OPTIONAL ACCESSORIES	Wire/yarn fixture	