

# SHIMPO Handheld Tachometers

## DT-100A Series Contact Tachometers

The DT-100A Series Handheld Tachometers with microprocessor technology offer superior accuracy and capabilities for measuring and recording rotational speed, linear speed and linear travel. The DT-100A battery-operated tachometers feature the rugged, high quality components that have made them the benchmark in the industry. These user friendly, value-packed units offer memory storage, quick adjustment units knob, length functions, retrieval of last and maximum and minimum values. Each unit also comes standard with a free NIST certificate.\* Units are available with an LCD or vibrant red LED display.

### Features

- Outstanding accuracy for the strictest applications
- Rugged die-cast aluminum housing enables usage in the harshest conditions
- Wide field selection of units in both instantaneous rate as well as totalized length satisfies a multitude of user requirements
- Large 5-digit display aids user visibility
- Expansive 10 measurement memory capacity allows quick retrieval of stored data plus additional last, maximum & minimum values
- Long battery life (25-40 hrs. continuous use)
- Compact, ergonomic design allows easy grip
- Rear threaded inserts (1/4-20 x 5/16 in.) provide additional mounting options
- Available display options of either LCD or vibrant, bright red LED
- CE compliant. Includes free NIST certificate.\*
- 2-year warranty

*\* NIST certificates are valid one year from the date the unit ships from Shimpo to AutomationDirect. In order to maintain stock levels for immediate availability, up to six-months "shelf time" may have elapsed before a unit is received by the customer.*

*Calibration services are not available from AutomationDirect. Contact Shimpo Instruments at (800) 237-7079 or [www.shimpoinst.com/contact-us](http://www.shimpoinst.com/contact-us) for any calibration needs.*

### Included Accessories

Each DT-100A Series Handheld Tachometer includes (2) 1/2-inch cone adapters, a 1/2-inch funnel adapter, a 6-inch circumference measuring wheel, a 3.5-inch extension shaft, two AA alkaline batteries and carrying case. Additional and replacement accessories can be found on the following page.



DT-100A Series Handheld Tachometers		
Part Number	Description	Price
DT-105A	Handheld tachometer, contact, 5-digit LCD display	
DT-107A	Handheld tachometer, contact, 5-digit LED display	



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## DT-100A Series Contact Tachometers

DT-100A Series Specifications	
<b>Display Range</b>	0.10 - 25,000 RPM with floating decimal
<b>Accuracy</b>	±0.06 RPM @ 0.10 - 999.9 RPM ±0.6 RPM @ 1,000.0 - 9,999.9 RPM ±0.006% of reading ±1 digit (±2 RPM max.) 10,000 - 25,000 RPM
<b>Display</b>	DT-105A – 5-digit 0.47 in. (12 mm) high LCD DT-107A – 5-digit 0.40 in. (10 mm) high LED
<b>Measuring Units</b>	Revolution: RPH, RPM; Feet: FPH, FPM; Miles: MPH; Yards: YPH, YPM; Inches: IPM; Meters: mPH, mPM; Length: m, cm, inches, feet, yards; Total Revolutions: REV
<b>Memory System</b>	13 readings are stored in memory and retained for 5 minutes (last, max., min., and 10 extra measurements)
<b>Detection</b>	Optical coupler, 60 pulses/rev.
<b>Update Time</b>	1 second (typical)
<b>Power Requirement</b>	2 AA 1.5V batteries (Approx. life - DT-105A: 65 hrs.; DT-107A: 40 hrs.)
<b>Operating Temperature</b>	32 - 113 °F (0 - 45 °C)
<b>Construction</b>	Die-cast aluminum housing
<b>Weight</b>	0.9 lb (400 g)
<b>Agency Approvals</b>	CE
<b>Dimensions</b>	7.2 in. L x 2.4 in. W x 1.8 in. H (182.5 mm x 60 mm x 46 mm)



## Accessories

DT-100A Series Accessories		
Part Number	Description	Price
<b>DT-CONE</b>	Replacement standard cone adapter for Shimpo DT series handheld tachometers, 1/2 inch diameter	
<b>EXT-SHAFT</b>	Replacement extension shaft for Shimpo DT series handheld tachometers, 3-1/2 inch length	
<b>DT-FPM-6</b>	Replacement measuring wheel for Shimpo DT series tachometers, 6 inch circumference	
<b>DT-FPM-12</b>	Measuring wheel for Shimpo DT series handheld tachometers, 12 inch circumference	
<b>DT-FUNNEL</b>	Replacement standard funnel adapter for Shimpo DT series tachometers, 1/2 inch diameter	

