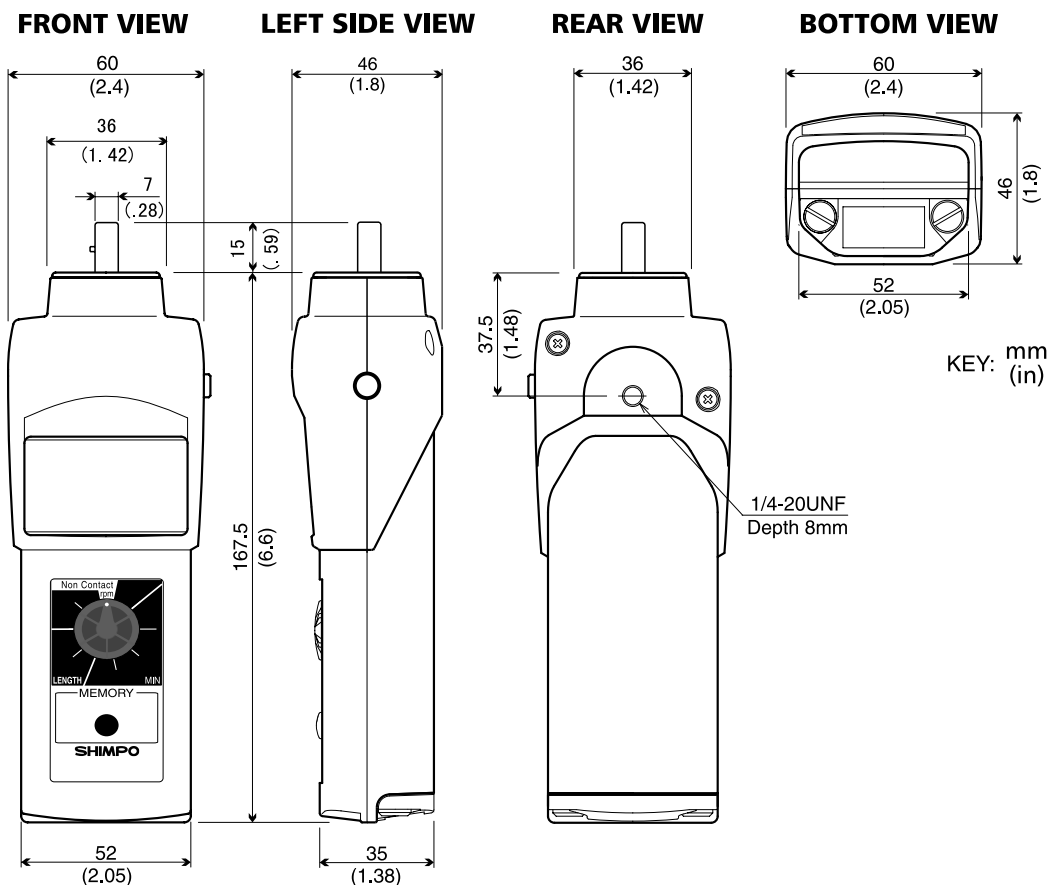
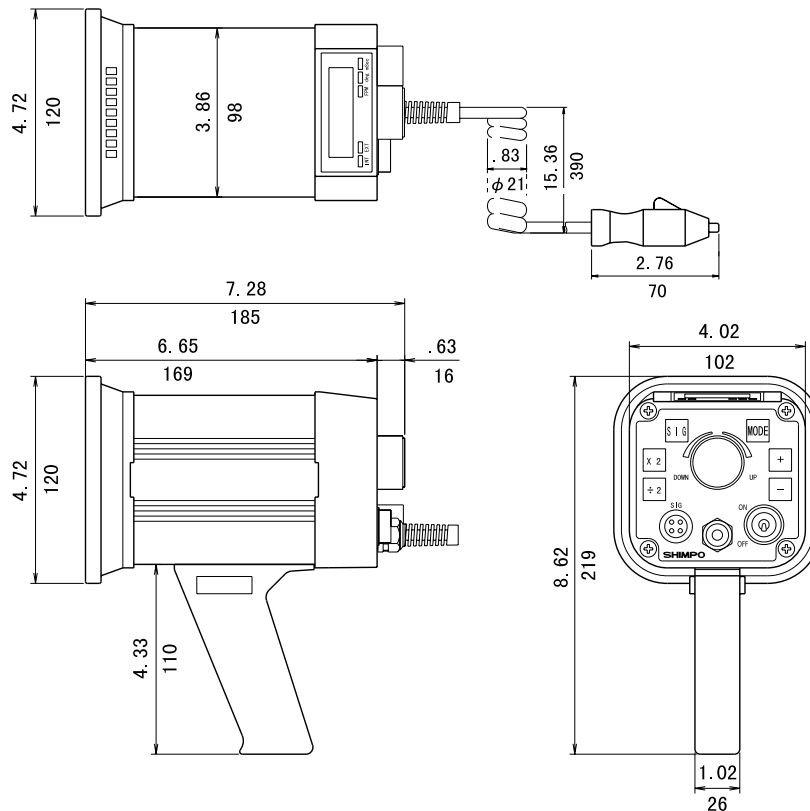




S P E C I F I C A T I O N S		
Model	DT-105A	DT-107A
Measuring Range	0.10 - 25,000 RPM with floating decimal	
Accuracy	±0.06 RPM : 0.10 - 999.9 RPM; ±0.6 RPM : 1,000.0 - 9,999.9 RPM ±0.006 % of reading ±1 digit (or 2 RPM max.) : 10,000 - 25,000 RPM	
Display	5 digit 0.47" (12 mm) high LCD	5 digit 0.4" (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, NIST certificate, carrying case, 1 master wheel (6" cir.)	
OPTIONAL ACCESSORIES	Wire/yarn fixture	



S P E C I F I C A T I O N S				
Model	DT-315AEB			
INTERNAL MODE				
Flashing Range	40.0 - 35,000 FPM (flashes per minute)			
Accuracy	± 0.01 % of reading			
Resolution	0.1 FPM : 40.0 - 5,000 FPM	0.2 FPM : 5,000 - 8,000 FPM	0.5 FPM : 8,000 - 10,000 FPM	1 FPM : 10,000 - 35,000 FPM
Phase Shift	Use +/- push buttons (360° in 6 seconds)			
Display Update Time	0.2 seconds approx.			
Output Signal	Synchronous, 400 µsec. Pulse output, 0 to +12 VDC amplitude(approx.), 4.7 KΩ impedance			
Rate Multiplier/Divider	Multiply by 2, divide by 2			
EXTERNAL MODE				
Flashing Range	0.0 to 35,000 FPM			
Accuracy	± 0.01 % ± 1 digit			
Phase Shift	0 to 359° with 1° resolution			
Delay Time	0 to 2,000 µsec from 40 - 10,000 FPM			
External Trigger Input Signal	LO level : 0 - 0.8 VDC, HI level : 2.5 - 12 VDC or open collector (NPN), pulse width 50 µsec min.			
Input Impedance	4.7 KΩ to 12 V / 6.8 KΩ to 0 V			
GENERAL				
Display	5 digits, 0.4" (10 mm) high, LED			
Flash Tube Power/Life	Xenon, 10 W max. (100 million flashes)			
Flash Duration	10 - 40 µsec			
Sensor Power Supply	12 VDC (40 mA)			
Low Battery Indicator	Display shows all L's			
Power Requirement	External battery pack (9.8 - 14.5 VDC, 2.3A)			
Operating Temperature Range	32° - 104° F (0 - 40° C)			
Weight	2.5 lb (1.1 kg)			
Dimensions	7.28" L x 4.72" W x 4.72" H (185 mm x 120 mm x 120 mm)			
Warranty	1 year			
Standard Accessories	External battery pack with charger			
OPTIONAL ACCESSORIES	Carrying case, sensors			