

TACHOMETER/STROBOSCOPE

(2 in 1, DIGITAL PHOTO TACHOMETER with DIGITAL STROBOSCOPE)

Model: DT-2259

TRATURES

- * Intelligent, microprocessor circuit design, high accuracy, wide range, digital readout.
- * One instrument include two functions of " Digital Photo Tachometer " & " Digital Stroboscope "
- * Digital Stroboscope:

Wide setting range from 100 RPM to 100,000 RPM, digital display with high accuracy. Modern solid state high visible orange light, long life, almost maintenance free. It is ideal for inspecting and measuring the speed of moving gears, fans, centrifuges, pumps, motors and other equipment used in general industrial maintenance, production, quality control, laboratories and as well as for schools and colleges for demonstrating strobe action.

* Digital Photo Tachometer :

No contact RPM measurement, wide measuring range from 0.5 to 100,000 RPM. 0.1 RPM resolution for the measured value < 1000 RPM. The last value, max., value, min. value can be stored into the memory automatically & be obtained by pressing "Memory Call Button". High visible LCD display gives RPM reading exactly with no guessing or errors.

* The use of durable, long lasting components, including a strong, light weight ABS plastic housing.

Cabinet has been carefully shaped to fit comfortable in either hand.

	GENERAL SPECIE	ICATIONS	
Display	5 digits, 10 mm (0.4") LCD (Liquid Crystal display) with	Operation Temperature	0 - 50 °C (32 - 122 °F).
	function annunciation.	Operating	Less than 80% RH.
Accuracy	\pm (0.1% + 2 digit).	Humidity	
Sampling Time	1 second (≥60 RPM).	Size	215 x 65 x 38 mm.
Time base	: Quartz crystal.	50	(8.5 x 2.6 x 1.5 inch).
Circuit	Exclusive one-chip design	Weight	300g(0.66 LB)/including battery.
	microprocessor LSI circuit.	Accessories	Carrying case
Battery	4 x 1.5V AA (UM-3) battery.		Operation manual 1 PC.

ELECTRICAL SP	EGTHO AUTO	NS (PHOTO TACHO	METER)	
Measurement Range	5 to 99,999	RPM		
Resolution	0.1 RPM	(<1,000 RPM)	1 RPM	(≧ 1,000 RPM)
Photo Tach. detecting distance	50 to 150 mm/2 to 6 inch.			
3	* Typical m	ax. 300 mm/12 inch dep	ending upor	n ambient light.

Stroboscopic Flash Rate	100 to 100,000 FPM/RPM FPM : flash per minute	Flash tube	High efficiency orange LED lamp.
Flash Adjust	RPM: round per minute 3 ranges:	Flash Duration	Approximately 60 to 1,000 microseconds.
Range	Range A: 100-1,000 FPM Range B: 1,000-10,000 FPM	Flash color	Orange
		Flash Duration	Approx. 16% of period time.
Resolution	Range C: 10,000-100,000 FPM 0.1 FPM/RPM.	Flash Adjust Knob	Coarse adjust knob and Fine adjust knob.
	(Less than 1,000 FPM/RPM) 1 FPM/RPM (Over 1,000 FPM/RPM)	Calibration	Crystal time base and microprocessor circuit, don't necessary take any external calibration process.

	OPERATIONS PROCEDURES (STROBOSCOPE)	
Preparation	Determine the range switch to " 1000 RPM " ," 10,000 RPM " or	
100000	" 100,000 RPM " position.	
Checking	When checking speed, care must be taken to insure that the strobe is flashing in	
Speed	unison (one to one) with the object being monitored. A Stroboscope will also	
AT STATE OF	stop motion at 2:1, 3:1, 4:1 et., this is normally referred to as harmonies. To be	
	sure of unison, turn the dial until two images appear - this will double the actual	
	speed. Then lower the flashing rate until a single and stationary image appears -	
-4	this is the actual true speed.	
Checking	For motion analysis, simply locate the actual speed as mentioned above and then	
Motion	turn the dial slowly up or down. This will give a slow motion effect allowing	
	complete inspection.	