

DIGITAL STROBOSCOPE

Model: DT-2239A

DESCRIPTION

The model DT-2239A is a microprocessor circuit design, high accuracy, digital readout, light duty STROBOSCOPE/TACHOMETER that 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.

	SPECIF	TCATIONS	
Display	0.3" LED, 4 digits.	Power Supply	110 Vac ± 10%, 50/60 Hz.
Stroboscopic	100 to 10,000 flashes per		or 220 Vac ± 10%, 50/60 Hz.
Flash Rate	minuite (FPM).		or 230 Vac ± 10%, 50/60 Hz.
Accuracy	100 to 5,000 FPM/RPM) -	Power	Less than 30 Watt.
	±1 digit.	Consumption	22382
	over 5000 FPM/RPM -	Operating Temp.	0 to 50 °C (32 to 122 °F).
	±0.05%.	Operating	Less than 80% R.H.
Resolution	Less than 10,000 FPM/RPM-	Humidity	9
	1 FPM/RPM.	Dimension	HWD - 21 x 12 x 12 cm
	Over 10,000 FPM/RPM -		(8.3x4.8x4.8 inch).
	10FPM/RPM	Weight	1Kg/2.2 LB.
Sampling Time	1 second.	Housing	Compact and impact plastic
Range Select	Automation.		injection case with plastic
Circuit	This stroboscope/tachometer	8	mirror type reflector.
	employs an custom one-chip	Calibration	Crystal time base and
	of microcomputer LSI circuit		microprossor circuit, don't
	& crystal control time base		necessary take any external
	which results in extraordinary	(4)	calibration process.
	accuracy over a wide, dynamic	Accessories	Operation manual 1 PC.
	range.	Included	

	FLASH TUBE SP			
Flash tube	Xenon lamp.	Flash tube	It is required to change the	
Flash Duration	Approximately 60 to 1,000	replacement	flash tube when the	
	microseconds.	2000	instrument start to flash	
Flash color	Xenon white 6,500 ° K.		irregularly at speeds of 3600	
Flash energy	4 Watts-seconds (joules).		RPM/FPM or more.	
Beam Angle	80			
Operating duty	For prolong life and safe operation, please adhere to the following duty cycle:			
Cycle	Below 1,000 RPM - 30 Minutes. Above 3,600 RPM - 5 Minutes.			
	Always allow a 10 minute cooling off period between cycles.			

	OPERATIONS PROCEDURES	
Preparation	(a) Plug unit into a properly grounded 110V AC, 220V AC or 230V AC outlet. (b) Turn the power switch to "on" position.	
	(c) Determine the range switch to "Low" or "High" position.	
Checking Speed	When checking speed, care must be taken to insure that the strobe is flashing in unison (one to one) with the object being monitored. A Stroboscope will also 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 - this is the actual true speed.	
Checking Motion	For motion analysis, simply locate the actual speed as mentioned above and then turn the dial slowly up or down. This will give a slow motion effect allowing complete inspection.	

Remark : When order the stroboscope, should inform the power supply type is AC 110V, 220 V or 230 V.