

DT-326 Stroboscope



The **DT- 326** is designed for Speed (RPM) and Frequency (Hz) measurements for Motion and Vibration Analysis. **It is ideal for predictive and preventive maintenance applications such as:** motors, shafts, roto-gravure printing, extruders, blow molding, wire lettering and striping, engraving, pulse jets, water jets, fans, cams, gear teeth, belt inspections, audio/speakers, fuel injectors, vibration analysis and cutting blade timing and sharpness.

DT- 326 STROBOSCOPE SPECIFICATIONS

Unit	FPM (Flashes Per Minute), Hz (cycles/sec)			
Flash Rate Range	High Range	60 – 120,000 FPM, 1 – 2,000Hz		
	Low Range	60 – 12,000 FPM, 1 – 200Hz		
Flash Rate Accuracy	0.02 % ± 1 digit at 77 ° F			
Flash Resolution	Unit FPM	High Range	1 FPM	60 – 30,000 FPM
			2 FPM	30,002 – 60,000 FPM
			5 FPM	60,005 – 100,000 FPM
			10 FPM	100,010 – 120,000 FPM
	Low Range	0.1 FPM	60.0 – 3,000.0 FPM	
		0.2 FPM	3,000.2 – 6,000.0 FPM	
		0.5 FPM	6,000.5 – 12,000.0 FPM	
	Unit Hz	High Range	0.1 Hz	0.1 - 2000 Hz
Low Range		0.01Hz	0.01 - 200 Hz	
Ratio	0.1 – 2.5 ° (/ 360 °) Setting of every 0.1 °			
Light Source	High brightness LEDs			
Flash Mode	Normal and ECO(Power Saving Mode)			
Flash Delay/Phase Shift	Time	0 – 999 ms		
	Angle	0 – 359 °		
Controls	Power, Multiply by 2, Divide by 2, Phase Shift±, Ratio, ECO, Mode Setting			
External Trigger Input	Photocoupler input 12mA/DC12V			
External Clock Output	Photocoupler Output 30mA/DC30V, Pulse width 200µs			
Light Power (Illumination/Brightness)	1,300 lux	Normal	6,000 FPM	7.87in (20cm)
	200 lux			19.69in (50cm)
	400 lux	ECO	6,000 FPM	7.87in (20cm)
	100 lux			19.69in (50cm)
Display	Backlit LCD (Selectable)	Main Display: 6 Characters		
		Sub-display: Flash, Units, Battery, Settings		
Display Update	Continuous			
Power Supply (AC/DC Capablility)	Battery	4 each - AA, alkaline		
	Battery Life	ECO	80 min	
		Normal	20 min	
AC Adapter	AC 100V – 240V 50/60Hz 24 – 33VA (2.0A/DC5V)			
Standard	CE			
Housing	Aluminum Die Cast			
Weight	1.1 lb (500g)			
Operating Temperature	32 – 95 ° F (0-30 ° C)			
Warranty	2 Years			
Includes	Carrying Case, AC Adapter, Input/Output Connector Kit, 4 - AA Battery, Manual, Warranty Card			
Accessories	AC 240VAC Power Cable, “Y” Adapter for Input/Output Trigger, Flexible Swing Arm			

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