



REVISIONS			DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398					
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1702	A	Released	JWM	8/13/04	SF	8/18/04	JC	8/18/04



Shown with removable handle attached



Display	14mm [0.56"] LED, 5 digits
Set up Units	Flash Rate: RPM (Flashes per Minute), Hz
Flash Rate Range	RPM 5 to 12,500 RPM
	Hz 0.083 to 208 Hz
Resolution	RPM 5~999.9 RPM = 0.1RPM
	1,000 ~ 9,999 RPM = 1 RPM
	10,000 ~ 12,500 RPM = 10 RPM
	Hz <10Hz = 0.001Hz
	10Hz ~ 99.99Hz = 0.01Hz
	100Hz ~ 208Hz = 0.1Hz
Set Up Stability	1 Digit within 10 minutes
Switch Selectable	RPM, Hz
Accuracy	<1,000 RPM ±(0.15% + 0.2 RPM) Reading
	1,000 ~ 3,300 RPM = ±(0.5% + 1 RPM) Reading
	3,301 ~ 12,500 RPM = ±1% Full scale
Functions	Fine adjust, Coarse adjust, Multiply by 2, Divide by 2, Fast finder, Memory Recall
External Trigger	Input Signal:5V ~ 30V rms, 5~12,500RPM, 0.083 ~ 208Hz
Memory	10 sets of data
Power Supply	110VAC ±10%, 50/60Hz
Circuit	This instrument employs a custom, one-chip microcomputer LSI circuit & crystal control time base.
Power Consumption	Less than 30 Watts
Operating Temp	0°C ~ 50°C [32°F~122°F]
Operating Humidity	Less than 80% R.H.
Dimensions	21cm x 12cm x 12cm [8.3" x 4.8" x 4.8"]
Weight	1Kg [2.2lb]
Housing Case	Impact resistant injection molded plastic, plastic reflector
Standard Accessories	Operation Manual, Power cord
Optional Accessories	RS-232 Cable #72-6704
	RS-232 Software #72-6701A

Operating Duty Cycle:
 To prolong the life of the tube and for personal safety follow the duty cycles below.

<2,000 RPM	- 2 Hours
2,000 ~ 3,600 RPM	- 1 Hour
3,601 ~ 8,000 RPM	- 30 Minutes
>8,000 RPM	- 10 Minutes

Allow at least a 10 minute cooling off period between cycles.



Flash Tube Specifications

Flash Tube	Xenon Lamp
Flash Duration	Approx. 60~1,000 microseconds
Flash Color	Xenon white, 6,500°K
Flash Energy	4 Watts-seconds (joules)
Beam Angle	80°
Tube Replacement	Change the flash tube when flashes become irregular at 3600RPM or more

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	Jeff McVicker	8/13/04	Digital Stroboscope			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Steve Feiwell	8/18/04	A	72-7601	01J3057.dwg	A
APPROVED BY:	DATE:	SCALE:	U.O.M.:	SHEET:		
John Cole	8/18/04	NTS	Millimeters [Inches]	1 OF 1		

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