

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



Shown with removable handle attached



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.

Set up Units	Diopley	14mm [0.56"] ED. 5 digits						
RPM	Display		14mm [0.56"] LED, 5 digits					
Hz	Set up Units	, , , , , , , , , , , , , , , , , , , ,						
Resolution	Flash Rate Range							
RPM	3	Hz						
10,000 ~ 12,500 RPM = 10 RPM		RPM	5~999.9 RPM = 0.1RPM					
Canal Section Canal Section			1,000 ~ 9,999 RPM = 1 RPM					
Set Up Stability 1 Digit within 10 minutes 21,000 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 Fine adjust, Coarse adjust, Multiply by 2, Divide by 2, Fast finder, Memory Recall Input Signal:5V ~ 30V rms, 5~12,500RPM, 0.083 ~ 208Hz	Resolution		10,000 ~ 12,500 RPM = 10 RPM					
Set Up Stability 1 Digit within 10 minutes Switch Selectable RPM, Hz < 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 Fine adjust, Coarse adjust, Multiply by 2, Divide by 2, Fast finder, Memory Recall Input Signal:5V ~ 30V rms, 5~12,500RPM, 0.083 ~ 208Hz	Resolution		<10Hz = 0.001Hz					
Set Up Stability Switch Selectable RPM, Hz <pre> <pre></pre></pre>		Hz	10Hz ~ 99.99Hz = 0.01Hz					
Switch Selectable RPM, Hz <pre></pre>			100Hz ~ 208Hz = 0.1Hz					
Accuracy Continuation Continuation	Set Up Stability	1 Digit within 10 minutes						
Accuracy 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 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 Operating Temp O°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 Housing Case Impact resistant injection molded plastic, plastic reflector Standard Accessories Operation Manual, Power cord RS-232 Cable #72-6704	Switch Selectable	RPM, Hz						
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Standard Accessories Operation Manual, Power cord RS-232 Cable #72-6704	Weight	1Kg [2.2lb]						
Standard Accessories Operation Manual, Power cord RS-232 Cable #72-6704	Housing Coss	Impact registent injection molded plactic plactic reflector						
Optional Accessories RS-232 Cable #72-6704		Impact resistant injection moided plastic, plastic reflector						
Optional Accessories	Standard Accessories	Operation Manual, Power cord						
RS-232 Software #72-6701A	Ontional Accessories	RS-232 Cable #72-6704						
	Optional Accessories	RS-232 Software #72-6701A						

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

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