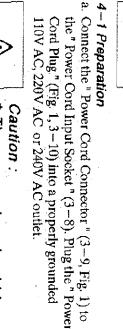
4. MEASURING PROCEDURE





 Do not use fingers or any tool to touch the FLASH

* Risk of electric shock !



Caution:

* The power plug should be connected to the correct AC

b. Turn the power switch to "On "position. power supply.

c. Determine the range switch to "Low" or "High" position

4-2 Checking Speed (RPM/FPM)



Caution:

* Operating duty cycle should be followed.

following operation duty. For prolong life and safety, please adhere to the

Below 2,000 RPM - 30 Minutes Above 2,000 RPM - 5 Minutes.

Always allow a 10 minute cooling off period between cycles

4-3 Checking Motion

actual true speed.

For motion analysis, simply locate the actual speed as This will give a slow motion effect allowing complete mentioned above and then turn the dial slowly up or down. inspection.

FLASH TUBE REPLACEMENT

to flash erratically at speeds of 3600 RPM/FPM or more. The flash tube requires changing when the instrument start



Caution:

* Change of the Flash Tube serviceable parts. should only be done by a qualified technician. As the instrument contains no user

c. The Stroboscope will also stop motion at 2:1, 3:1, 4:1 et.,

until the mark look like "Stop" (synchronize

double the actual speed. Then lower the flashing rate unison, turn the dial until two images appear - this wil this is normally referred to as harmonics. To ensure

until a single and stationary image appears - this is the

a. Power off the installation to be measured, make a " mark "

on the rotation area where it is intended to measure the RPM

b. When checking the speed, care must be taken to ensure

Then power on the installation to be measured.

object being monitored. Turn the "Fine Adjust Knob"

that the strobe is flashing in unison (one to one) with the

(3-3, Fig. 1) or "Coarse Adjust Knob" (3-4, Fig. 1)

1 PC.	Power cord1 PC.	included
1 PC.	Operation manual	Accessories
	required.	
bration proces	circuit, no external calibration process	
microprocess	Crystal time base and microprocessor	Calibration
or type reflecto	case with plastic mirror type reflector	
plastic injection	Compact and impact plastic injection	Housing
	1 Kg/2.2 LB.	Weight
4.8 x 4.8 inch	21 x 12 x 12 cm (8.3 x 4.8 x 4.8 inch).	Dimension
		Humidity
	Less than 80% R.H.	Operating
-	Operating Temp 0 to 50 °C (32 to 122 °F)	Operating Temp
		Consumption
	Less than 30 Watt.	Power
/60 Hz	240 Vac ± 10%, 50/60 Hz.	
/60 Hz.	230 Vac ± 10%, 50/60 Hz.	
/60 Hz.	220 Vac ± 10%, 50/60 Hz.	
/60 Hz.	110 Vac ± 10%, 50/60 Hz.	Power Supply

2-2 Flash Tube Specification Flash Duration Flash tube Flash tube Beam Angle Flash energy Flash color replacement Approximately 60 to 1000 80°. 4 Watts-seconds (joules) Xenon lamp. xenon flash tube if the instrument starts RPM/FPM or more. to flash irregularly at speeds of 3600 It may be necessary to change the Xenon white 6,500 °K. microseconds

N

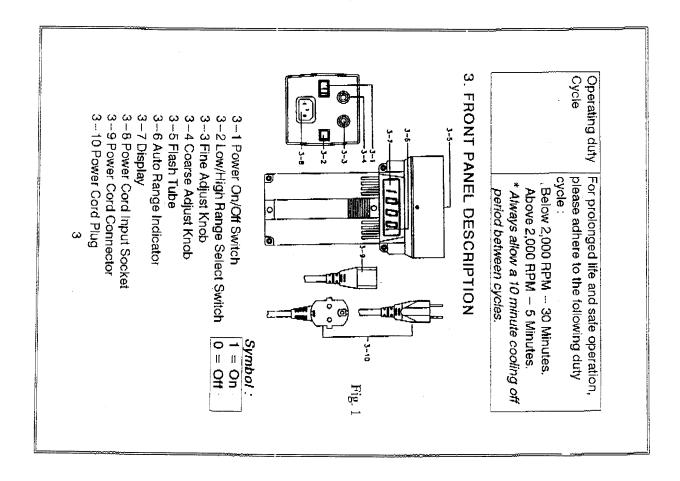


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	1

1. FEATURES

demonstrating strobe action. general industrial maintenance, production, quality control, centrifuges, pumps, motors and other equipment used in inspecting and measuring the speed of moving gears, fans, The Digital Stroboscope is a microprocessor circuit design, high accuracy, digital readout, light duty, that is ideal for laboratories and as well as for schools and colleges for

SPECIFICATIONS

!	2-1
	Genera
	General Specificati
	ific
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	ž

crystal control time base	
One chip of microcomputer LSI circuit &	Circuit
Automation.	Range Select
1 second.	Sampling Time
10 FPM/RPM (over 10,000 FPM/RPM)	
1 FPM/RPM (1,000 to 9,999 FPM/RPM).	
0.1 FPM/RPM (loss than 1,000 FPM/RPM)	Resolution
frequency less than the 30 MHz only.	
RF Field Strength less than 3 V/M &	
*Spec. tested under the environment	
\pm (:0.05% + 1 digit).	Accuracy
minute (FPM).	Flash Rate
100 to 10,000 flashes per	Stroboscopic
0.4" LED, 4 digits.	Display

some individuals if directly viewed. 5 Hz may cause photosensitvie epilepsy in Do not look directly at strobe/reflector, Light pulses at the frequency greater than

ensure that there is no physical contact made with objects being viewed. moving objects appear to be stationary. Precaution should therefore be taken to A feature of the instrument is to make

Caution:



* Risk of electric shock !



Caution:

- Do not use fingers or any tool to touch the FLASH TUBE.
- Repair or after service should be The instrument contains no user serviceable parts and should not be opened by the user.
- Power plug should apply the correct done by a qualified technician
- Operating duty cycle should be adhered to. ACV power voltage
- Cleaning Only use the dry cloth to clean the plastic case

- Comply with EN61010 Installation category II 300 Vac.
- * Pollution Degree 2
- Altitude up to 2000 meters.
- Indoor use.
- Relative humidity 80% max.