

TECHINCAL DETAILS

OF

*dig*STROB[™]

1. INTRODUCTION

Stroboscope is an Instrument based on the physical principle of stroboscope. If extremely short duration pluses of bright light are focused on any rotating, oscillating or vibration objects, it appears to be stationary when the repetition rate of flashlight matches with that of the object. This principle is used for RPM measurement of freeze motion studies. Stroboscope has wide applications in all types of industries. Few of the important applications involves measurement of RPM of rotating machinery such as textile machine spindles, electric motors, pumps, blowers, turbines, centrifuges, automobile parts, synchronization of diesel engines, etc.

Paramount *dig*STROB[™] gives direct digital display of RPM of rotating machinery. The instrument is highly stable and accurate. It is a lightweight and portable for hand held applications. The unit is complete with Battery charger- cum- Main Adopter. A special Battery Power Pack is supplied with the instrument to enable to be carried out at various locations conveniently.

2. EQUIPMENT

Paramount *dig*STROB[™] is completely made of mild steel sheet .It consists of three units one is main unit which contains hard glass flashing Xenon lamp & digital display for RPM.ON / OFF & range selection regulators for selecting desired range of RPM to be measured. 2nd unit is adaptor cum main supply & the third one is chargeable battery pack for battery back up. The equipment is meticulously finished in metallic blue paint.



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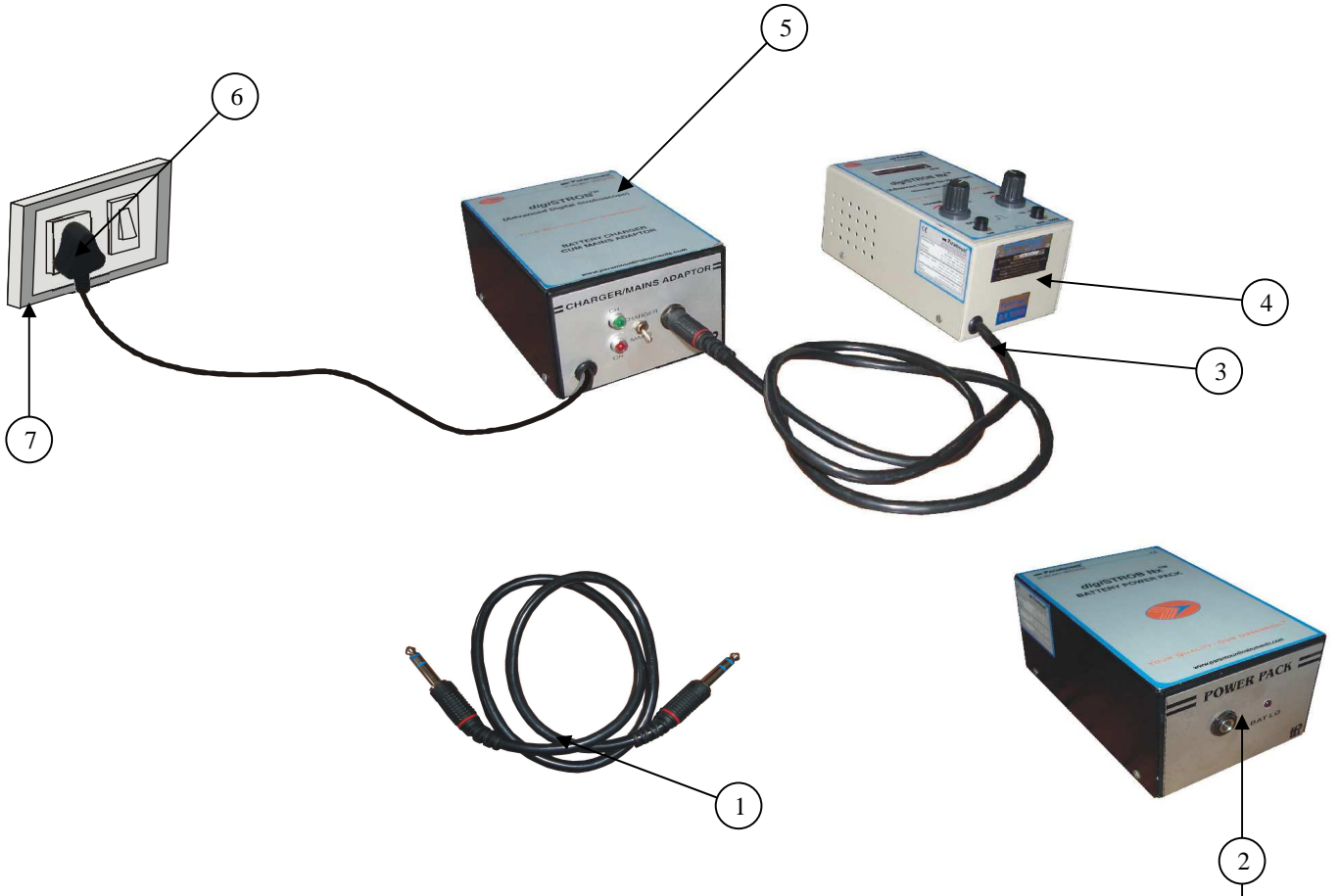


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3. DETAILS OF THE MAIN UNIT OF *digiSTROB*[™]



1. Charging Lead.
2. Battery Power Pack.
3. Connector Lead.
4. Main Unit.
5. Battery Charger cum Mains Adaptor.
6. Mains Lead with Plug.
7. 220 V, 50 – 60 Hz. Power Supply.



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4. DETAILS OF THE ACCESSORIES SUPPLIED WITH *digiSTROB*™



Mains Unit



Battery Charger cum Mains Adaptor



Charging Lead



Battery Power Pack



This User's Manual



Inspection & Conformance Certificates

***digiSTROB*™** is Supplied Complete with below Accessories:

- | | |
|--------------------------------------|----------|
| Main Unit | : 01 No. |
| Battery Power Pack | : 01 No. |
| Battery charger cum Mains Adaptor | : 01 No. |
| Charging Lead | : 01 No. |
| This User's Manual | : 01 No. |
| Inspection & Conformance Certificate | : 01 No. |



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5. SALIENT FEATURES

- Specially designed electronic equipment to determine the RPM of any rotating part.
- Range for RPM to be measured 250-30000flashes/minute.
- Hard glass xenon lamp is used for long life.
- Latest design with modern aesthetics.
- Handy, can be carried anywhere for checking.
- Power pack is supplied for power back up.
- Duly packed in a lather bag for easy transport.
- Supplied with calibration & inspection certificates.

6. TECHNICAL DETAILS OF *digiSTROB*™

Flash Range	: 250-30,000 flashes/min With course and fine controls.
Range Division	: 150-10000 flashes/min 10000-30000 flashes/min
Accuracy	: + 2% RPM
Display	: 5 Digit , 7 segment LED
Display resolution	: 1 RPM
Flash Tube	: Hard Glass Xenon Long Life
Supply	: 230 V AC, 50 Hz
Overall Dimension of the <i>digiSTROB</i> ™	: 170±5 (L) x 90±5 (W) x 90±5 (H) mm 7" (L) x 3.5" (W) x 3.5" (H) Inch
Overall Dimension of the Charger/mains adopter	: 155±5 (L) x 110±5 (W) x 70±5 (H) mm
Overall Dimension of the Power pack	: 155±5 (L) x 105±5 (W) x 75±5 (H) mm
Net Weight of the Instrument	: 5 Kg. (11 lbs)

NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.



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