

TECHINCAL DETAILS

OF

PGLS-006 (pickGLASS[™] with Light & Measuring Scale)

1. INTRODUCTION

Paramount takes pride to introduce, in the Textile World, a most convenient and accurate equipment for finding Threads Per Inch/Cm. instantly. The Unit is very simple and precisely made to give accurate results with excellent repeatability.

Paramount's PGLS-006 (With Light and Measuring Scale) is a Handy Microscope, which has a built-in scale of 1/10th of an INCH. It has a Light attachment to put sufficient light on the sample to be tested.

2. EQUIPMENT

Paramount "**PGLS-006**" is a handy and accurate equipment for determination of thread density (threads per inch) promptly and thus eliminates eye fatigue. It consists of a Microscope having an in-built Graduated scale for measurement. A torch for proper focusing and the main unit that combines the above two units. The microscope contains a 40x eyepiece in which a calibrated scale of 1/10th INCH with least count of 0.001". is graduated Two knobs is provided to focus the sample with the help of having Rack and pinion arrangement. The Scale in the Microscope is so precise that the distance of 1/10th of an Inch is further subdivided into 100 parts. With this minute measurement even the dia. of the yarn can also be checked with PGLS. The construction of the PGLS is such that, if by chance, the torch does not work then the samples can be tested in the normal daylight or artificial light conveniently. The unit is nicely finished in blue metallic PU paint.



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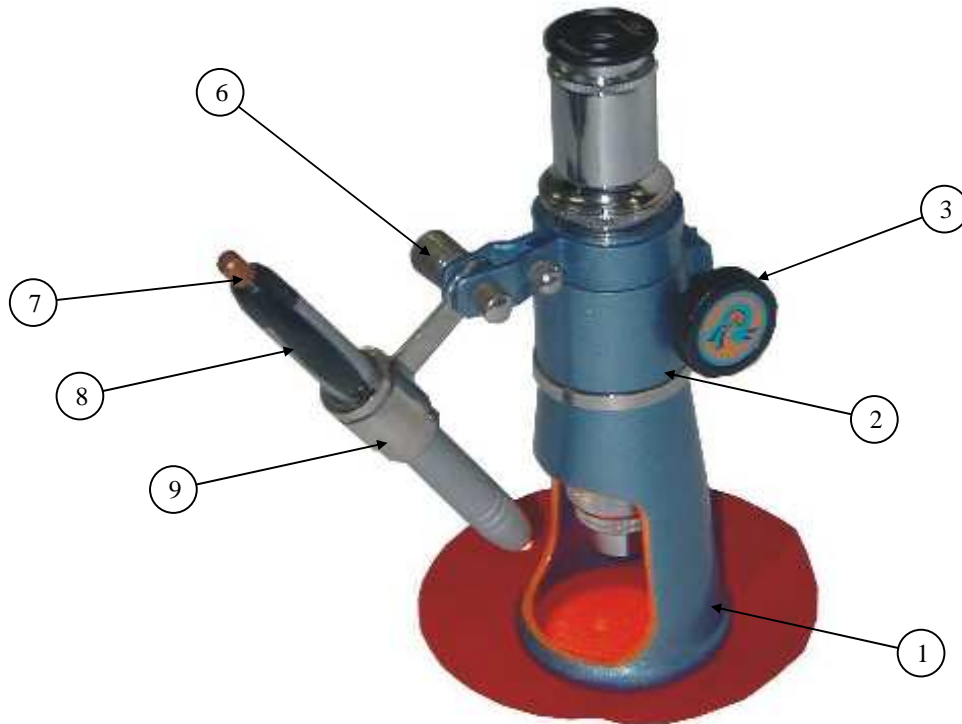


Life Member



Member : Bureau of
Indian Standards

3. DETAILS OF THE MAIN UNIT OF PGLS-006



1. Lower Body.
2. Middle Body.
3. Specimen Focussing Knob.
4. Inside Scale Focussing Knob.
5. Eye Piece 40 x (With a Measuring Scale Inside).
6. Torch Clamp Knob (To Loosen / Tighten the Movement of Torch).
7. Torch ON / OFF Switch.
8. Powerful Torch.
9. Torch Holding Clamp.



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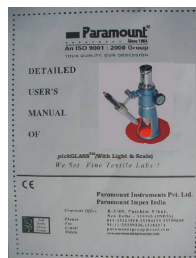
4. DETAILS OF THE ACCESSORIES SUPPLIED WITH PGLS-006



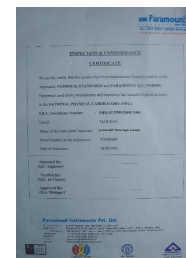
Main Unit PGLS-006



Powerful Torch (With 2 'AAA' Cells)



This User's Manual



Inspection & Conformance Certificate

PGLS-006 is Supplied Complete with below Accessories:

Main Unit of PGLS-006	:	01 No.
Powerful Torch	:	01 No.
Battery 'AAA' 1.5 Volt (For Torch)	:	02 Nos.
Detailed User's Manual	:	01 No
Inspection & Conformance Certificate	:	01 No.

5. SALIENT FEATURES

- A fine equipment to check the reed /pick of any type of fabrics conveniently & accurately.
- Latest model with updated technology.
- Light weight for mobility.
- With 40X resolution magnifier for sharp image of fabrics.
- Inbuilt scale inside the microscope to measure reed & pick accurately.
- Pen type light from outside to check any type of fabrics.
- Smooth, precision-engineered component for exceptional performance.
- Moulded steel body gives long life & durability.
- With inspection & conformance certificates.

6. TECHNICAL DETAILS OF PGLS-006

Total Scale Area	:	1/10th of an Inch
Least Count of Scale	:	0.001”
Magnification	:	40x
Battery	:	2 Pen Light Cells
Light Source	:	Powerful Light thru Lens
Overall Dimension of the unit	:	160 (L) x 63 (W) x 170 (H) mm. 6 1/4” (L) x 2 1/2” (W) x 7” (H) Inch.
Net Weight of PGLS-006	:	600 Gms. (1.33 lbs)

7. RELATED STANDARDS

- ISO 7211
- BSEN 1049
- ASTM D3775
- IWTO 39-87

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

