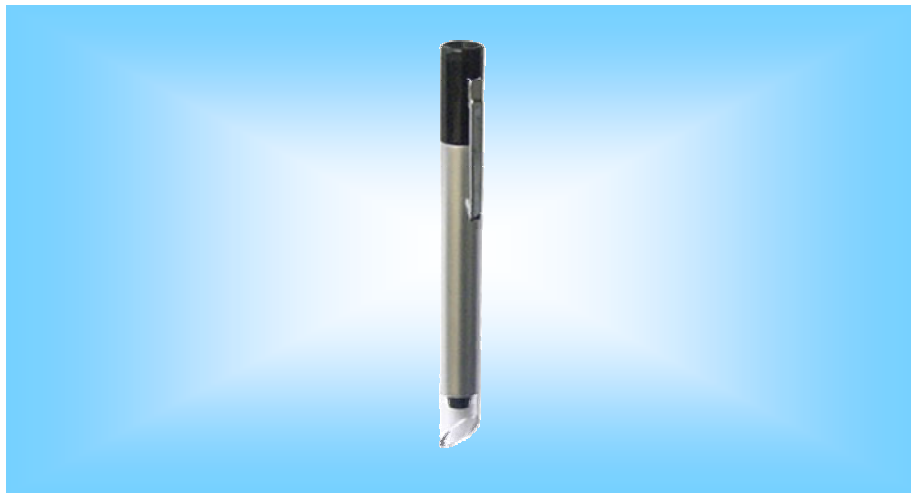


User Manual for Pocket Pen Microscope

Please read the User Manual before using the microscope.



【Application】

- A. Used in financial, taxation, stamp collecting, welding, textile, measurement, photography, advertisement, books and paintings assessment, and electronic industries for observing paper quality and printing microdots of banknotes, coupons, stamps, currency, cards and etc. It is capable of identifying forged note quickly and in extremely high resolution. When inspection with visual purple light is in doubt, this instrument could find out accurately with the real banknote being displayed in clear image and continuous lines while the forged note generally is being formed in dots and broken lines, light colored, blurry and no cubic effect.
- B. Used in the jewelry industry for observing internal structure and sectional molecular array of jewels, and for analysis and assessment of mineral samples and antiques. Used in the printing industry for accurate retouching, color correction, and microdot/edge observation. It can be used for accurate measurement of wire mesh number, microdot size and overprint errors.
- C. Used in the textile industry for examination and analysis of cloth fiber and warp/weft.
- D. Used in the electronic industry for observation of wiring and quality of copper/platinum layer on the PCB, as well as the component model and weld ability.
- E. Used in agriculture, forestry and foodstuff industries for observation and research of bacteria and insects.
- F. Used for assessment and analysis of animal or plant samples, for assessment and analysis of evidences by the police department, and an essential tools for scientific research and experiment.

【Parts and accessories】



【Specifications】

| | | | | | |
|---------------------------|--|-----------------|-----|------|------|
| Total Magnification | 20X w/ reticle | 40X w/ reticle | 50X | 75X | 100X |
| Eyepiece | 10X | | | | |
| Objective | 2X | 4X | 5X | 7.5X | 10X |
| Field of View | 0.09"(2.4mm) | | | | |
| Minimum Readable Division | 0.002"(0.05mm) | 0.001"(0.02mm) | / | / | / |
| Height | 4.69"(119mm) | | | | |
| Weight | 23g (0.05 lbs.) | 22g (0.05 lbs.) | | | |
| Dimensions of microscope | 4.69"(L) x0.63" (W)x0.47"(H) (119mm(L)x16mm(W)x12mm(H)) | | | | |

【Installation】

Put the top sleeve perpendicular to the sample with the lighting notch pointing to the light source. If the image of the sample is not good, slide the instrument to the front or to the back or to the left or to the right for adjustment until the clearest image is available at the possible position.

【Precautions】

- A. The product should be kept away from the humidity, dusts, and corrosive gases.
- B. Do not leave the instrument in sunshine or over-heating environment.
- C. Do not fall out.
- D. Do not disassemble it by yourself.
- E. If necessary, clean the lens with lint free cloth and lens cleaner. Do not clean the stains on the instrument with gasoline, oil, insecticides or wash with soap water.