



A Geno Technology, Inc. (USA) brand name

Handheld UV Analyzer

Cat. No. BT510

INTRODUCTION

The Handheld UV Analyzer provides optional single wavelength 365nm/365nm and 254nm/254nm, or double wavelengths 365nm/254nm. It is used for detection of nucleic acid dye, such as Ethidium bromide or Acridine orange, in fluorescence dyes. The handheld UV analyzer is used for nucleic acid testing (to observe fluorescence) in many industries including molecular biology, biological chemistry, medical science, forensic autopsy examination as well as in biological agents.

IMPORTANT SAFETY INFORMATION

- The instrument produces UV radiation. Do not point the UV window upwards.
- Anaphylactic reaction, premature aging or cancer risk if the skin is exposed to UV radiation for a long time.
- Do not look straight at the UV light. It may seriously hurt your eyes.
- Ultraviolet radiation takes a toll on health, shut off the instrument when it is not in use. Do not point instrument at people when using.
- Take off the plug to shut down power when cleaning or repairing the instrument.

MAINTENANCE

- Use cloth with non-corrosive cleansing fluid (pH=7±1) to clean surface of the instrument. Operate the instrument only after it has dried. Do not dip the instrument into fluid or water.
- Do not brush or press the UV color filter. Keep it clean and dry. Clean the UV color filter with gauze after use.

TECHNICAL SPECIFICATIONS

Dimension: 440 x 75 x 51 (mm)

Net Weight: 1100g

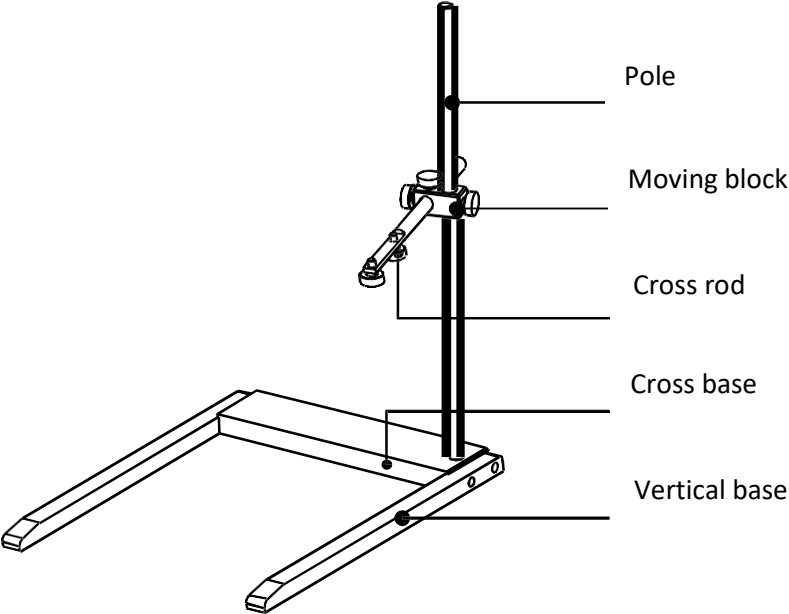
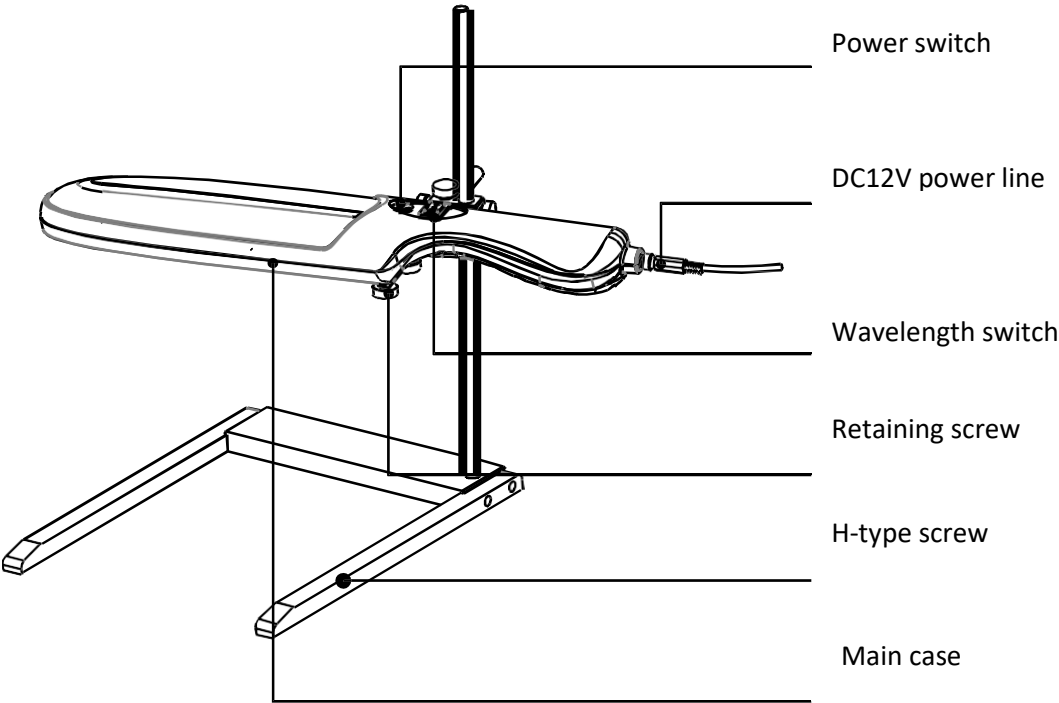
Power Input: AC100-240V

UV Window: 150 x 50mm

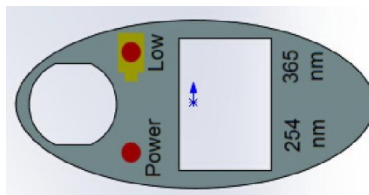
Wavelength: Single or Double 365nm and 254nm

Power: ≤6W

OVERVIEW



Keyboard and Display Panel



1. The LOW indicator light means the battery is low, please charge the battery. When the LOW indicator light is off, the battery has enough power for operation.
2. The POWER indicator lights means the instrument's power is on.

OPERATION

1. The Handheld UV Analyzer provides optional single or double wavelengths for bright UV light.
2. It can connect to AC100-240V power supply with built-inDC12V adapter. If the battery has enough energy, the instrument can be operated without AC power supply.
3. Hold the handle of the UV analyzer, press the power switch to turn on the analyzer. Switch to the requested wavelength. When starting the operation, the light is cold, the UV light brightness will not be so strong.
4. Power off the instrument when it is not in use.
5. It is ok to charge the battery when working.
6. When the battery is fully charged, the instrument can work continuously 2.5 hours.
7. When the low indicator is lit, please charge the battery. It needs around 4 hours to fully charge the battery.

TROUBLE SHOOTING

Issue	Possible Causes	Solution
No light when the instrument is powered on	Power line problem	Check the power line
	No power	Check power situation
	Broken power switch	Change the power switch
	Battery runs out	Charge the battery

TECHNICAL SUPPORT

BT Lab Systems offers technical support for all of its products. If you have any questions about the product's use or, operation, please contact BT Lab Systems at the following:

E-Mail: info@BTLabSystems.com