



CAUTION

WARNING

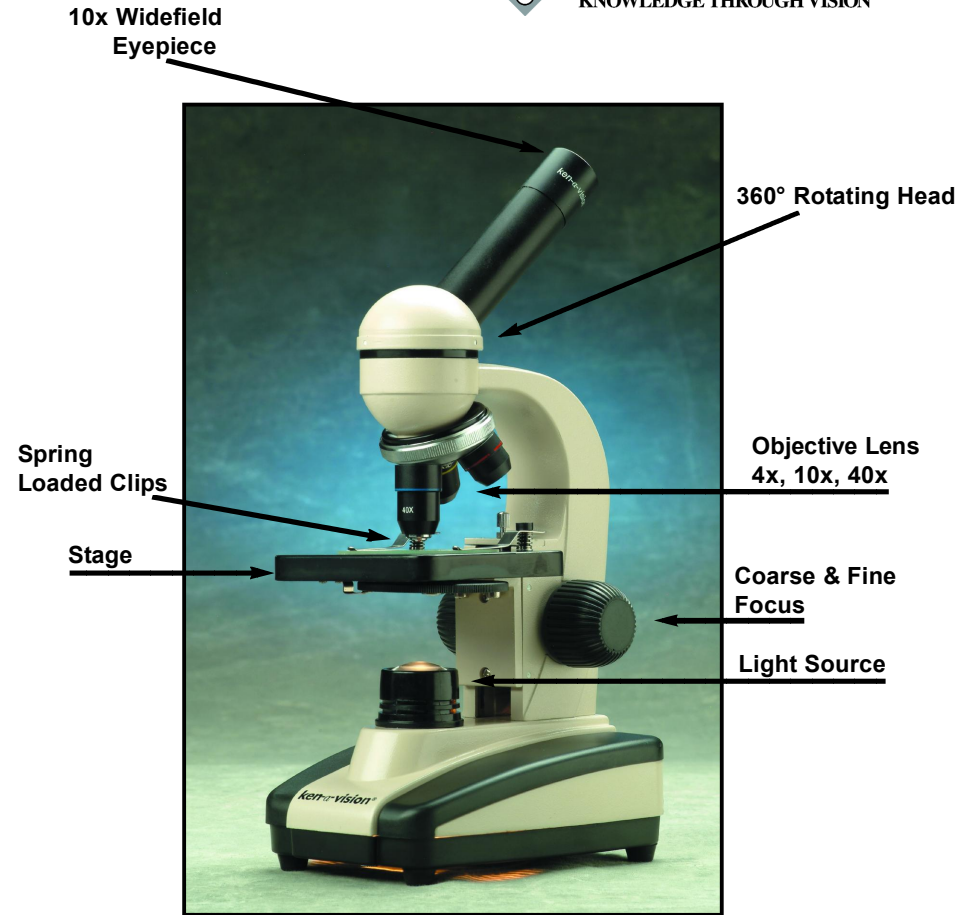
Nickel Metal Hydride Battery
 Regular charge 8 hours / Maximum 12.0 hours
 Do not use non-rechargeable batteries. Only use the rechargeable NIMH battery and power supply/charger provided by Ken-A-Vision.
 Replacement Power supply - catalog no. VFPS1209300R (110v)
 VFPS230R-2 (230v)
 Replacement Battery - catalog no. SCBATBU2

Do Not put battery pack in fire or mutilate, battery may burst or release toxic materials that may cause burns!

WARRANTY: TEN YEAR WARRANTY AGAINST DEFECTIVE PARTS AND WORKMANSHIP. EXCLUDES BULB AND BATTERY.

Ken-A-Vision has quality technicians on staff to repair or service your microscope. Contact us at 1.816.353.4787 for more details.

Ken-A-Vision reserves the right to make design improvements and other changes in accordance with the latest technology. There is no obligation to make changes in products already manufactured. Patents Pending. ©2002 Ken-A-Vision Corporation.



Cordless PrepScope

Supplemental Instruction Manual

T-1201C
 T-1202C



KEN-A-VISION MANUFACTURING Co., Inc.

5615 Raytown Road, Kansas City, MO 64133 U.S.A Tel. 816-353-4787 Fax. 816-358-5072 Email: info@ken-a-vision.com www.ken-a-vision.com

kav.instcman.cordless.pc.v2
 Part# INS-SC50C

INSTRUCTIONS FOR CHARGING YOUR KEN-A-VISION CORDLESS MICROSCOPE

1. Plug in the round pin adapter from the power supply to the back of your microscope.
2. Then connect the opposite end to a 110v (220v international) electrical outlet.
3. With 1 over-night charge you can use your microscope for up to 40 hours of continuous operation.
4. You do not have to fully discharge or drain the battery to recharge.

TECHNICAL SPECIFICATIONS FOR MODEL NO. T-1201C & T-1202C

- Power Source Life: 500 Cycles (*approximately 4-5 years depending on usage*)
- Light Source: "Proprietary Light Board" Technology Equivalent to a 20 Watt Bulb
- Power Source: Built-in rechargeable NiMH (Nickel Metal Hydride)
- "Light Board" Life 100,000 Hours
- Cool Operating Temperature Less Than 25°C (75°F)
- 10 year limited warranty on microscope.

EQUIPMENT RATING: DESCRIPTION OF INPUT OUTPUT CONNECTION

Should you need a replacement power supply, contact Ken-A-Vision or your dealer. When using internationally, be sure to use the correct AC voltage either 110V, 220V, or 240V output voltage (catalog # VFPS230R-2 (230v) or VFPS1209300R (110v). Output voltage is 9 volt DC 300mA and a 2.5 mmV barreled styled center position plug. connection of:



INPUT: 9VDC, 300 MA

The power supply/charger are made exclusively for the Ken-A-Vision Cordless Microscopes. Failure to use Ken-A-Vision parts will void the warranty of your microscope.

Note: This equipment has been tested and found to comply with the limits for UL Standard 61010A-1.

ENVIRONMENTAL CONDITIONS

This equipment is designed to be safe at least under the following conditions:

- indoor use;
- altitude up to 2 000 m
- temperature 5° to 40°C;
- maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C;
- main supply voltage fluctuations not to exceed +/- 10% of the nominal voltage;
- transient overvoltages according to installation categories;
- Pollution Degree 2 in accordance with IEC661
Normally non-conductive pollution occurs. Occasionally, however, a temporary conductivity caused by condensation must be expected.

EQUIPMENT MAINTENANCE

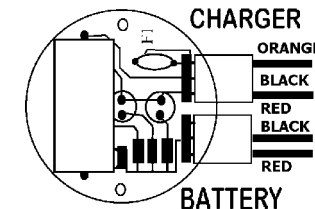
All cordless microscopes should be recharged PRIOR to storage.

The battery type is NIMH (Nickel Metal Hydride) part # VFBATBU2
Should you need a replacement power supply/charger, or battery, contact your nearest Ken-A-Vision dealer.

INSTRUCTIONS FOR REPLACEMENT OF CHARGER

Remove the connector cable marked battery from the light board. Next remove the old NIMH battery and properly discard.

To replace the NIMH battery simply plug in the cables to the appropriate color codes as indicated below. Secure the velcro strips to the battery and affix to the bottom of your microscope.



CONNECTOR COLOR CODE

dissipation and shorten the life of the bulb. Use two fingers and pull the bulb out touching the metal part of the bulb. Clean the bulb surface with alcohol and lens paper if the user has touched the bulb surface accidentally. *Any larger watt bulb may cause damage to the unit.*

d. Specification of the 10 watt bulb can be found on the *surface of the microscope*. Replacement bulbs (Part # T115V10WB) may be purchased on Ken-A-Vision web site under accessories at www.ken-a-vision.com

CARE AND MAINTENANCE

Your microscope is a fine precision instrument and should be treated with care. When not in use it should be protected from dust by the plastic cover provided. Lenses and mirror should be cleaned periodically with optical lens tissue that is soft and lint free. Painted surfaces can be cleaned with a moistened cloth. Objectives should be cleaned with a cotton swab and Denatured Alcohol.

Ken-A-Vision has quality technicians on staff to repair or service your microscopes. Ken-A-Vision recommends service every two years for optimal life of product. Contact us at 1.816.353.4787 for more details.

*WARRANTY: TEN YEAR LIMITED WARRANTY AGAINST DEFECTIVE PARTS
AND WORKMANSHIP.*



PrepScope

Instruction Manual

T-1200

T-1201

T-1202

T-1201C (see supplemental)

T-1202C (see supplemental)



KEN-A-VISION MANUFACTURING Co., Inc.

5615 Raytown Road, Kansas City, MO 64133 U.S.A Tel. 816-353-4787 Fax. 816-358-5072

Email: info@ken-a-vision.com www.ken-a-vision.com

kav.instman.prep.pc.v3
Part# INS-SC50

PREPSCOPE

APPLICATION

Thank you for purchasing your Ken-A-Vision microscope. We designed this compact microscope with optical quality and to withstand student use. The contoured metal base is covered with high-density plastic to prevent chipping during normal student use. These and other features, were designed to enhance the PrepScope to offer you the best value.

Specifications

Catalog#	T-1200	T-1201	T-1202
10x Widefield Eyepiece w/pointer	*	*	*
Monocular Head	*	*	
Dual Viewing Head			*
4x, 10x, 40xR Objective Lens	*	*	*
Coarse & Fine Focusing	*	*	*
Mirror	*		
Built-in 10 watt Illuminator		*	*
Vented Cooling System		*	*

MICROSCOPE PREPARATION

Check the coarse focus tension. The knobs are oversized and are designed for better gripping. The coarse knob should turn easily to change the focus, but the stage should not move on its own.

For shipping purposes your Prepscope had been shipped with a restraining strap around the microscope, **please cut the strap off**, as you will not need it again.

Check the stage stop safety feature. Be sure the stage moves up and down when turning the focusing knob. To check the stop first place a prepared slide in position for viewing. Move the coarse focus until the objective and stage are as close together as they can be. Look at the slide and turn the 40x objective into place. This objective should

be very close to the slide, but not touching.

OPERATION

Built-In Illuminator (model T-1201 and T-1202)

Turn off the power switch, located on the side of the microscope, before connecting the power cord. Bulb replacement can be done from the underneath side. See Bulb Replacement instructions. The built-in 10 watt bayonet incandescent bulb provides all the light needed for illumination. *Do not use any other bulb, as it will damage the unit.*

If your microscope has a mirror (model T-1200), it is used to reflect light from an external light source up through the bottom of the stage. *Never use direct sunlight- as a source for light.*

Eyepiece

The widefield eyepiece is already locked into place to avoid loss. No need to tighten. The eyepointer is built-in to the eyepiece.

Focus

Place specimen slide under the stage clips into position for viewing. Use the 4x objective first. Raise the stage until it will go no higher. Then lower the stage to bring into focus. Once the image is sharp you should be able to simply turn the nosepiece to the next objective lens and do minor adjustments with the focus knob.

Disk Diaphragm

The rotating disk is located under the stage. (1=smallest, and 5=largest) The different sized holes are used to control the amount of light that is projected upward into the slide. Simply bring one of the different sized holes in line with the stage opening. There is no set rule regarding which setting to use with a particular lens.

BULB REPLACEMENT (model T-1201 and T-1202)

- Before changing the bulb, make sure that the power switch is off and the power cord has been disconnected from the wall outlet.
- On the bottom of your microscope use a slotted screwdriver to remove the screw on the lamp door. Pull open the lamp door and carefully remove the old light bulb from the socket by gently pushing in and turning the bulb one quarter turn counter clockwise. Using lens paper to hold the bulb, put in new bulb and push and turn clockwise.
- Avoid touching the glass surface of the bulb with bare hand. Any oil brought onto the bulb by the bare hand will negatively affect the heat