USER INSTRUCTIONS  (P/N: 23822)

Front-Lens-Mounted (FLM) Telescopes

Galilean Type

Compact Prism (Keplerian) Type
SurgiTel®
Front-Lens-Mounted Telescopes

CUSTOMER RECORDS:
NAME: ____________________________________________
ORDER No: ____________________________ CUST. ID(Ph. #): ________________________
DATE OF PURCHASE: __________________ FROM: _______________________________
MODEL: ______________________________
ACCESSORIES: _______________________________________________________________
SERVICE RECORD: ____________________________________________________________
INTRODUCTION
Thank you for choosing SurgiTel®!
Your SurgiTel® telescopes have been designed to meet the demanding needs of today’s clinical professionals. Please keep in mind that you will have a hand-eye coordination adjustment period of about two weeks. Begin slowly with simple movements, working your way up to more complicated procedures. In the end, SurgiTel® telescopes will allow you to SEE, WORK, and FEEL your best.
(WARNING! DO NOT WALK around with your telescopes on, be sure to take them off or flip up when walking around)

FEATURES (refer to picture on pg.2)
(A) OCULAR: Sealed (safe for running water) and Multi-Coated glass optics (for greater visual clarity). **DO NOT GRAB, APPLY PRESSURE, or ATTEMPT TO TURN the OCULARS! This will misalign them.**
(B) FRAME: Patented frame to allow for a better working posture, custom selected for each user.
(C) OUTER NOSE PAD, (D) INNER NOSE PAD: Double Nose Pads are a patented feature for greater comfort and balance when working with telescopes.
(E) SIDE SHIELD: Conforms to O.S.H.A. Eye Protection Standards.
(F) RETAINER STRAP (not visible): Should be secured tightly at the back of your head while using your telescopes.
(G) DECLINATION ANGLE TENSION SCREW: Enables adjustment and locking of declination angle. Maintains angle while flipping up and down.
(H) FLIP-UP TENSION SCREW: Allows adjustment to secure telescopes in upward position while “flipped-up.”
(I) VERTICAL SLIDE: Patented feature which provides vertical adjustment of telescope positioning. **This is IMPORTANT for a proper Line-of-Sight Alignment which leads to an optimal field of view.**
(J) TEMPLE ARM: Additional custom feature on frame, based on length.
(K) LINK-HINGE: Positions oculars to proper declination angle while allowing you to flip-up your telescopes for normal vision.
(L) P.D./Pupilary Distance KNOB: Adjusts distance between oculars to precisely match the distance between your pupils. For Keplarian telescopes, unfold these directions for adjustment options.
(M) OCULARS RACK: Holds and adjusts oculars to fit you comfortably.

UNFOLD THESE INSTRUCTIONS FOR MORE DETAILS

CLEANING & DISINFECTION (see Oakley clean. Instructions for Oakley frame)
DO NOT use disinfectants containing glutaraldehydes or iodophors
DO NOT autoclave
DO NOT remove working distance caps when you clean.
DO NOT immerse in water or any liquid; rinsing w/running water is OK
DO NOT use HOT or COLD water; clean “room-temperature” water is OK
**Cleaning:** Apply mild soap & water or isopropyl alcohol w/a soft cloth until particles are loosened. Rinse w/ “room-temperature” water. Wipe or air-dry.
**Disinfection:** Wet or spray with either surface disinfectant, 10% bleach & water solution, Lysol®, or isopropyl alcohol. Let stand for 5 minutes. Rinse w/ “room-temperature” water. Wipe or air-dry.

WARRANTY & CUSTOMER SERVICE
General Scientific Corporation (GSC) guarantees the integrity of its products from defects in material and workmanship through limited repair and/or replacement of defective parts. Prompt inspection and reporting of missing or damaged product(s) should be reported to the shipping carrier and GSC within 3 days of receipt. Any attempt to repair lights or light power sources (e.g. battery pack or source box) other than with GSC, will void the warranty. For returns, repairs, refurbishments, or exchanges; suitable, clean packaging and delivery to GSC is the responsibility of the customer, while GSC will cover costs of return to the customer (excluding refurbishments). Under special circumstances GSC will cover incoming ground transportation for products which GSC deems defective upon receipt by customer. **BEFORE SENDING ANY PRODUCT BACK TO GSC, YOU MUST CALL CUSTOMER SERVICE PRIOR TO SHIPMENT IN ORDER TO OBTAIN A GSC TRACKING/RMA #. ANY PACKAGES SENT TO GSC w/o GETTING THIS # WILL RESULT IN SIGNIFICANT PROCESSING DELAYS.** For International Customers who purchased their product with a distributor in their respective country, all service-related requests must be handled through them and not GSC directly.

Telescope Oculars, Assembly Parts Lifetime Limited Warranty
Telescope Frame or Headband 3-Year Limited Warranty

Limitations of Warranty (Conditions Not Covered):
Deterioration or failure due to misuse or improperly following instructions and/or warnings; Items which have a known life based on use (e.g. bulbs, fiber optic cables, batteries); Nicks & scratches on optical surfaces caused after delivery; Accidents or conditions of use considered negligent by GSC.

GSC Customer Service – 1 800 959 0153
HINGE TENSION ADJUSTMENTS

The hinge tension of your telescopes have been pre-adjusted at the factory for optimal performance. Should further adjustment be desired, refer to the following procedures. NEVER OVERTIGHTEN these SCREWS as it will wear-out the Link-Hinge.

FLIP-UP TENSION: Tighten or loosen the flip-up tension screw (H) located on the upper end of the link-hinge using the hex-key supplied in your accessory kit. Make sure the hex-key is engaged straight-on and completely into the screw (use the short end of the hex-key). The tension screw should be tight enough so that the oculars do not fall downward on their own when flipped up, but not so tight that they cannot be easily moved.

DECLINATION ANGLE TENSION: Loosen or tighten the declination angle tension screw (I) located at the lower part of the link-hinge using the hex-key supplied in your accessory kit. Use the short end of the hex-key so that it will clear the ocular and engage the screw head straight-on. Adjust the angle for desired declination while keeping the loupes in contact with (or close to) the spectacle lenses. The tension of this pivot should be enough so that your declination angle setting does not change when the loupes are flipped up and down. [i.e. screw (I) should be tighter than screw (H)]

ADJUSTING P.D. (Pupillary Distance)*

Place the telescopes on your face in a normal and comfortable position and draw the retainer strap snugly to your head. Turn the P.D. knob (K) counter-clockwise with your fingers until the oculars (A) are spread apart to their widest distance.

Look down at your approximate working distance and focus on something such as your thumb. Turn the P.D. Knob slowly until you see each ocular’s field of view coming together. Continue adjusting until they almost converge completely. Then back them apart to achieve a slightly oblong field of view as shown below (see figure below).

If you adjust them too closely together, you will get eye strain and often distorted or double images. After you are comfortable with your adjusted P.D., note which incremental dot the knob points to. Then, if your telescopes become adjusted for anyone else, you can quickly adjust them back to your P.D. using the dots.

*Keplerian Telescopes are set and locked during manufacturing to your own P.D. Adjustment should not be necessary. However, if desired, loosen the locking screw on the underside of the rack assembly (L) before turning the adjustment knob. After adjustment, re-set locking screw for added stability.

VERTICAL SLIDE ADJUSTMENT

The vertical slide (G) is a vertically adjustable base used to properly align the oculars to your line-of-sight. The telescope’s height was adjusted at the factory for a generally optimal position. Should you desire further adjustment, the vertical slide (G) can be raised or lowered by sliding up or down while pushing firmly with your fingers and holding firmly onto the frame. If the tension screw needs adjusting, you may have to move the vertical slide out of the way to be able to adjust the slide tension screw.