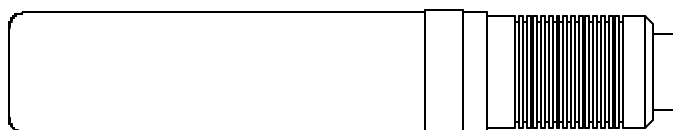


# OPERATION MANUAL

## MODEL 175180

### FLASHLIGHT ILLUMINATOR WHITE LIGHT & IR



**ITI** | INSTRUMENT  
TECHNOLOGY, INC.

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33 Airport Road, Westfield, MA 01085

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## INTRODUCTION

Thank you for selecting Instrument Technology, Inc. (ITI) to fulfill your remote viewing needs.

Since 1967, ITI has been the Leader in Remote Viewing. The only company of its type doing all its manufacturing in the United States, ITI consistently provides cutting edge technology to customers world-wide.

ITI specializes in the design, development and manufacture of Remote Viewing Instruments (RVI) and systems including Borescopes, Fiberscopes and Videoscopes.

ITI offers over 2,000 standard products as well as products custom designed for unique applications. No matter which ITI product is used, our customers find they are able to observe hostile and difficult to reach environments never dreamed possible before. Though ITI products can solve many remote viewing problems, it is always best to select the proper instrument for any given application. Only then can success be assured.

Your satisfaction is guaranteed with all products purchased from Instrument Technology, Inc. Feel free to contact ITI or your local ITI Representative with any questions.

## WARRANTY

Instrument Technology, Inc. warrants that the equipment is fit for the purposes described herein for a period of one year after the date of shipment when used in accordance with the directions for use, and agrees to repair or replace any such defective component part at no cost to the customer.

There are no other express or implied warranties. ITI's sole obligation and purchaser's exclusive remedy for breach of any warranty shall be limited to repair or replacement of the product at the option of ITI. This warranty does not cover, and ITI will not be liable for any resulting direct, proximate, incidental or consequential damages. This warranty does not apply if the product has been subject to misuse, negligence, accident or improper application, nor shall ITI be responsible for work done or repairs made by others.

## PRODUCT SPECIFICATIONS

### DIODE AND LAMP SPECIFICATIONS

IR range of diode	800-950 nm
Diode life	10,000 hours
Lamp life	5 hours

### SPARE PARTS

<u>ITI Part Number</u>	<u>Description</u>
408-071	White Light Lamp
B118821	White Light Head
B118820	IR Light Head
520-004	Battery Handle

# OPERATING INSTRUCTIONS

## OVERVIEW OF APPLICATIONS

The ITI Model 175180 Flashlight Illuminator is small, lightweight and portable with white light and IR light capabilities. The product is designed for ACMI style illumination light guides or viewing instruments.

The IR Light Head transmits infrared illumination through the instrument to enhance viewing with night vision or IR sensitive CCD cameras.

## GENERAL OPERATION

Thread either the IR or White Light Head onto the Battery Handle until it stops. Insert the scope's light guide fitting into bore in the end of Head until it snaps into place. Depress the Power Switch, located at the base of the Battery Handle, to turn **On** the light source. Depress the Power Switch again to turn **Off** the light source.

## LAMP REPLACEMENT

### WHITE LIGHT HEAD

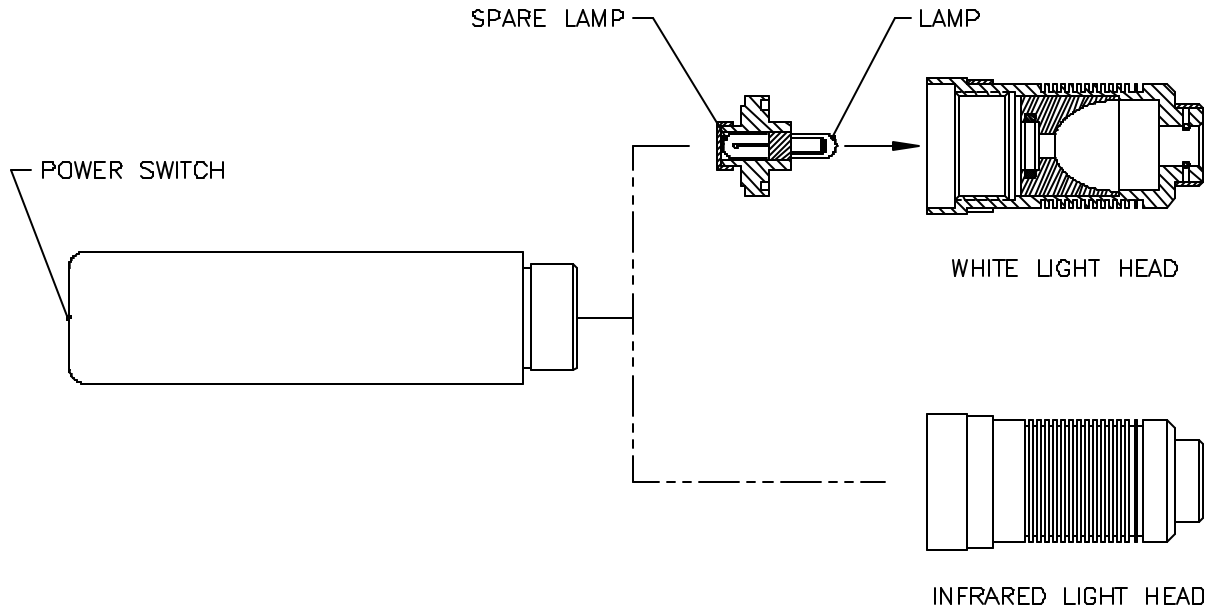
The White Light Head has a spare Lamp conveniently located in the base of the Lamp Holder Assembly. To access the Lamp first use pliers to gently pull the Lamp Holder Assembly out of the head.

**CAUTION- LAMP MAY BE HOT. ALLOW IT TO COOL BEFORE HANDLING.**

Pry off the cup shaped contact from the base of the Lamp Holder, pull out the spare Lamp and replace the cup contact. Firmly grasp the burned out Lamp and remove it from the holder. Replace with the spare Lamp. Insert the Lamp Holder Assembly into the White Light Head and press until it seats.

### INFRARED LIGHT HEAD

The diode in the Infrared Light Head should only be replaced by ITI. Contact ITI for service.



# INSTRUMENT CARE

## CLEANING AFTER USE

Wipe instrument after use with a soft, clean cloth. If instrument is soiled, use a non-abrasive, neutral detergent on a damp cloth to clean it. Always store the instrument in a protective case.

**NOTE: DO NOT IMMERGE INSTRUMENT IN LIQUID.**

## CLEANING OF OPTICS

Should cleaning of external surfaces be necessary, blow off dust with a triple-filtered, high pressure optical quality dusting spray. Wipe surface with a clean cotton swab moistened with laboratory grade alcohol. Excess alcohol can be blown away with the spray.

**ITI Model 126110 RVI Cleaning Kit may be used.**

## PRECAUTIONS

Do not use beyond recommended temperatures:

Maximum 150° F (65° C)  
Minimum 32° F (0° C)

Do not allow instrument to contact live or exposed wiring. It is an excellent conductor.

## REPAIR POLICY

If your equipment requires factory attention, contact ITI's Customer Service Dept. at (413) 562-3606 for a Return Authorization Number. Please be prepared to furnish your model and serial numbers. Return the equipment to ITI, freight prepaid.

Ship to:

Instrument Technology, Inc.  
33 Airport Road  
Westfield, MA 01085-1357

**Please note Return Authorization Number on Purchase Orders, and all shipping documents.**

Upon receipt of your equipment, ITI will assess its condition to determine if repairs are needed. If repairs are required, we will quote repair costs and a schedule for repairs. Your options at this point are:

### 1) **Accept Repair**

To proceed with the repair, ITI will require a purchase order for the full quoted repair price.

### 2) **Decline Repair - Upgrade to a New Instrument**

Choosing this option requires a purchase order for the new equipment at its quoted price. ITI will ship out the next available unit.

### 3) **Decline Repair**

Please Note - Most repair evaluations require a partial or complete disassembly of the equipment. **Once disassembled, it is impossible to return it to the customer in "as received" condition.** At the customer's option, ITI will either return your equipment in its disassembled state, or dispose of it.