

Thank you for purchasing this testo product. We take pride in manufacturing to a high standard, and if used in accordance with these instructions, this product will provide you years of trouble free performance

**STOP**

**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO COULD CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP THESE INSTRUCTIONS FOR FUTURE USE.**

**GENERAL SAFETY INSTRUCTIONS**

- x DO NOT use video inspection scope if dropped and damaged
- x DO NOT operate near live electrical wires.
- x DO NOT operate near moving parts such as pulleys, motors, gears, fans, etc.
- ✓ Be aware of your surrounding environment while using your inspection scope
- ✓ Wear suitable clothing and be aware of hand placement and body position during inspection.

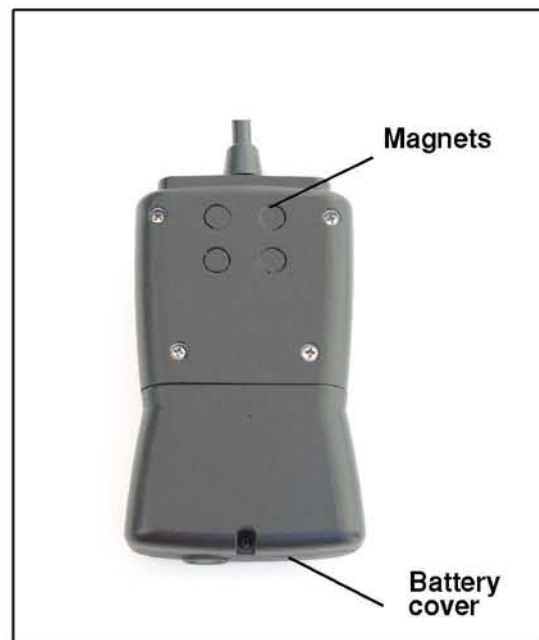
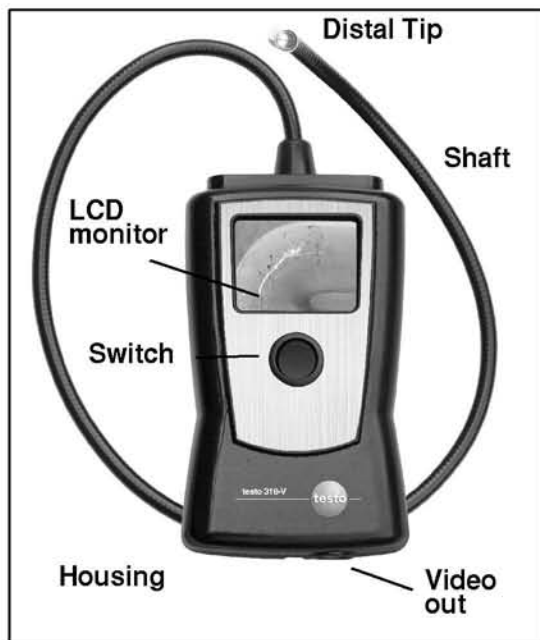
**INTRODUCTION**

The testo 318-V is for remote inspection of areas generally inaccessible to the naked eye. It comes with distal video camera at the end of a 42" shaft for internal inspection of furnaces, ducts, A/C systems, interior structures of walls, and other industrial and similar applications. Imaging and illumination is provided by a full color image sensor and dual solid state LEDs which are controlled by an on/off rocker switch. The 2.5" full color LCD screen allows the user to observe live video from the distal tip camera. The unit is powered by 4 - AA batteries. The testo 318-V is shipped with a protective case for storage. Accessory Mirror allows user to see 90 degrees to axis of the shaft. The Magnet accessory will pick up approx 1/4 lb.

**SPECIFICATIONS**

Shaft length . . . 42" Water resistant  
 Distal Tip Dia. . . 0.42" maximum  
 W / Accessories . . .0.46 maximum  
 Viewing Angle . . . 55 Degrees  
 Viewing Distance 0.4" to Infinity  
 Resolution . . . . . 320 x 240 pixels  
 Viewing Monitor . . Color 2.5" LCD  
 Video out port . . .RCA phono - NTSC signal

Shaft Bend Radius. . 2.5" minimum  
 Power . . . . . Alkaline AA batteries (4)  
 Battery Life . . . . . 3 hrs  
 Storage Temp . . . . -4F to 158F ( -20 C to +70 C)  
 Operating Temp . . . . 32F to 113F(0 C to 45 C)  
 Accessories. . . . . Mirror and Magnet  
 Warranty. . . . . 2 years\*



## OPERATING INSTRUCTIONS

**CAUTION:** Do not use excessive force to insert or retrieve shaft from the equipment or areas under inspection

**CAUTION:** Never use the distal tip to push against objects or to clear a path. This instrument is for remote viewing only.

**CAUTION:** Mirror and magnet accessories may detach if snagged or bumped abruptly.

**CAUTION:** The handheld monitor unit is not water resistant. The shaft and distal tip are water resistant ( refer to cleaning and storage .

**DO NOT** bend any part of the shaft tighter than a 2.5 inch radius ( 5 inch diameter).

**DO NOT** insert the scope shaft and tip into locations where the temperature is greater than 113 deg F ( 45 deg C).

**DO NOT** vibrate, bang, or drop your scope. It is not shock resistant.

**Operation** - Hold the unit by the housing and toggle the rocker switch down. This turns the distal camera, lighting, and monitor on for viewing. Simply manipulate the shaft toward the area under investigation while viewing the monitor. The shaft can be formed to maneuver into more complex paths.

**Mirror and Magnet Accessories** - To attach accessories, tilt clip end of accessory against recess of distal tip and press into place. Rotate 90 deg. mirror for best view.

**Video out port** - The 318-V provides an external NTSC video signal via an RCA phono jack. This signal can be utilized by a compatible monitor or recording device.

**Magnetic attachment** - The unit can be attached to a metallic surface. Make sure the unit attaches firmly and never leave unattended. Never pull on the shaft while unit is attached without supporting the housing with your hand.

## MAINTENANCE INSTRUCTIONS

### BATTERY REPLACEMENT

**WARNING !** Make sure switch is in the off position prior to maintenance and/or battery replacement.

Use caution when removing and re-inserting battery pack so as to not strain or pinch the connecting leads. See **Fig 2**.

1. Remove the battery housing door with a Phillips screwdriver.
2. Tilt the battery pack up from the bottom and remove
3. Un-clip the connector - if required - and replace batteries in the pack. Use 1.5v alkaline AA type batteries only.
4. Observe polarity as marked in battery holder
4. Re-attach connector and re-insert battery pack into bottom of handle.
5. Re-assemble battery door. Do not over tighten screw.

### CLEANING AND STORAGE

After each use:

- a. Wipe down the distal tip and shaft with a clean, dry cloth to remove fluids and residue.
- b. Gently use a cotton swab lightly dampened with isopropyl alcohol to clean glass distal window - **FIG 3**
- c. Gently clean the LCD screen with a dry cloth. Only use a cloth lightly dampened with isopropyl alcohol if necessary. **NEVER** rub hard and **NEVER** press on the monitor surface with a sharp object.
- d. Remove batteries when cleaning and if scope is to be stored for long periods of time.

**NOTE:** Your inspection scope **MUST** be completely dry before returning it to the storage case.



Fig 2



Fig 3



Fig 4



Fig 5

**NOTE:** It is our policy to continually improve our products and we reserve the right to update data, specifications, and component parts without notice.

**IMPORTANT:** No liability is accepted for incorrect use of this product. \***WARRANTY:** 2 years from date of purchase against defects and workmanship when used in accordance with instructions. Warranty is void if unit is opened or tampered with other than dictated in these instructions. For any questions or suggestions, please give us a call.

