

**Hand Held Leak Tester**  
Model # ZUTR-10002



# OPERATION MANUAL

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ZUT-Lab-003-10002  
REV. B

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## Introduction

### Intended Use

The Hand Held Leak Tester is used as an early detection tool in wet leak testing to detect small holes in the exterior of an endoscope. Early detection of leaks can prevent issues with cross contamination and costly repairs do to fluid invasion. Do not use this product for any other purpose.

### Labels, Symbols & Signal Words

The meanings of the labels, symbols and signal words that appear on the packaging, manual and/or instrument are as follows:

The following signal words are used throughout this manual:



**CAUTION**

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices or potential equipment damage.

**NOTE**

Indicates additional helpful information.

## Important Safety Information



**CAUTION**

Do not immerse the pressure gauge portion of the unit in water.



**CAUTION**

Read this entire manual before operating unit.



**CAUTION**

Always leak test an endoscope in accordance with manufacturer's instructions.



**CAUTION**

Never connect, inflate, deflate, or disconnect the leak tester connector under water.



**CAUTION**

Always wear personal protective equipment when handling a dirty endoscope.



**CAUTION**

Ensure that the leak test connector is fastened securely to the endoscope.

## Cleaning Procedure

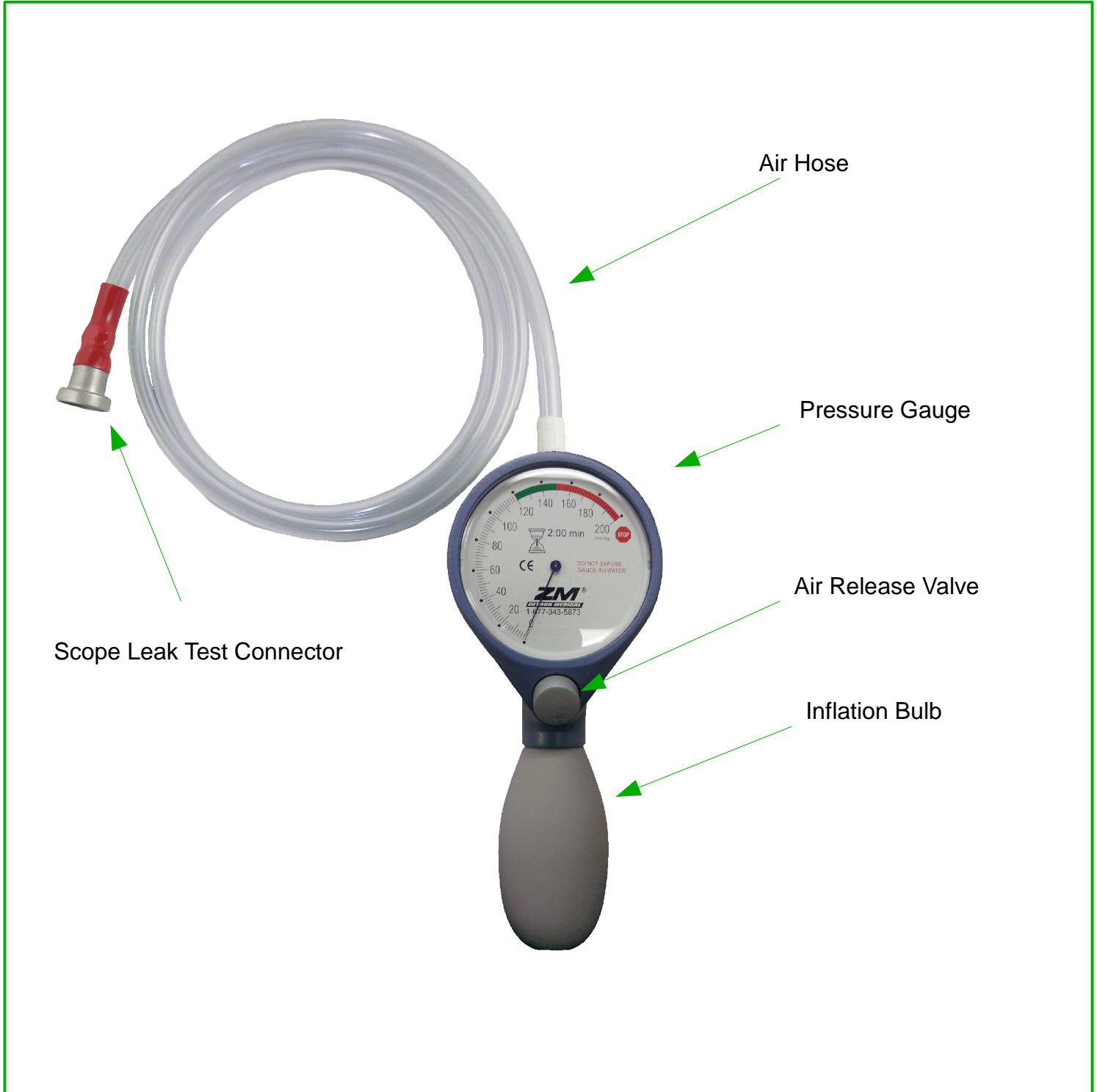
1. Lightly moisten a lint-free cloth with a working solution of a low foaming, neutral pH, medical grade detergent that has been prepared in accordance with the detergent manufacturer's instructions for use.
2. Use the moistened cloth to wipe the exterior surfaces of the leak tester.
3. Allow the detergent solution to remain on the exterior surfaces of the LT for the time recommended by the detergent manufacturer.
4. Lightly moisten a lint-free cloth with clean water and remove residual detergent from the surfaces of the leak tester.
5. Thoroughly dry the surfaces of the LT with a dry lint-free cloth.
6. Lightly moisten a lint free cloth with 70% ethyl or isopropyl alcohol.
7. Use the moistened cloth to wipe the exterior surfaces of the leak tester.
8. Allow the exterior surfaces of the LT to air dry.

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## Getting to know the Hand Held Leak Tester



## Instructions For Use

### Operating Instructions for the Hand Held Leak Tester

- 1) Connect the venting cap to the venting connector of the endoscope. Remove all accessories from the scope.
- 2) Pump the inflation bulb of the gauge until the needle holds steady in the green zone. (i.e. 120-150mm HG)
- 3) With the scope pressurized, manipulate the control knobs in all directions.
  - A) If the needle holds steady for a period of 2 minutes; the instrument is airtight. The instrument can be submerged to double check, if required.
  - B) If the needle falls slowly, the instrument can be submerged to locate the leak.
  - C) If the needle falls rapidly or pressure cannot be maintained at all, **DO NOT SUBMERGE** or allow the instrument to come into contact with fluid at all.

In case **A**, proceed with wet leak test.

In the case of **A & B**, the instrument can be dried off and the pressure reduced to 0mm HG by pressing down on the Air Release Valve located on the front of the gauge.

**NOTE** PLEASE BE AWARE...THIS INSTRUMENT IS **NOT** WATERPROOF