Endo-Leak Tester
Model # ZUTR30005

ZUTRON MEDICAL

OPERATION MANUAL

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ZUT-Lab-004-30005
REV. D

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Introduction

Intended Use

The Endo-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.

Compatible with ACMI, Fujifilm, Fuse, Olympus, Pentax, Richard Wolf & Storz endoscopes.

Labels, Symbols and 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:

WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

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.

Environmental Conditions

- For indoor use only
- Temperature range: 10°C/50°F to 40°C/104°F

Supply Ratings

Voltage: DC 12V, 3.3A

NOTE Use only the AC/DC power supply included with the unit.

Important Safety Information

WARNING	Plug power cord into a GFI protected receptacle.
WARNING	Do not immerse the unit in water.
WARNING	Do not operate the unit if the cord is damaged or has been exposed to water.
WARNING	Install in accordance with electrical codes.
WARNING	Do not open the air pump unit (electrical hazard).
CAUTION	Read this entire manual before operating unit.
CAUTION	Always leak test an endoscope in accordance with manufacturer's instructions.
CAUTION	Always wear protective personal equipment when handling a dirty endoscope.
CAUTION	Ensure that the air hose connector is securely attached to the air pump unit and that the endoscope leak test connector is fastened securely to the endoscope. Ensure that the unit has been running for at least 30 seconds before placing endoscope in water.
CAUTION	Do not power the toggle switch off or press “STOP” while the endoscope is submerged in water.
CAUTION	Always wait 10 seconds after powering toggle switch off to release the air from inside the endoscope before disconnecting the leak test connector.

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Mounting Configurations

Standard / Counter-Top

The standard Endo-Leak Tester has rubber bumpers on the bottom of the unit and is intended to be placed on a flat surface.

Wall-Mount

The Endo-Leak Tester has the option to be converted to a wall mount unit. A bracket that is sold separately bracket may be installed by a trained service personnel. Please contact Zutron Medical for more information.

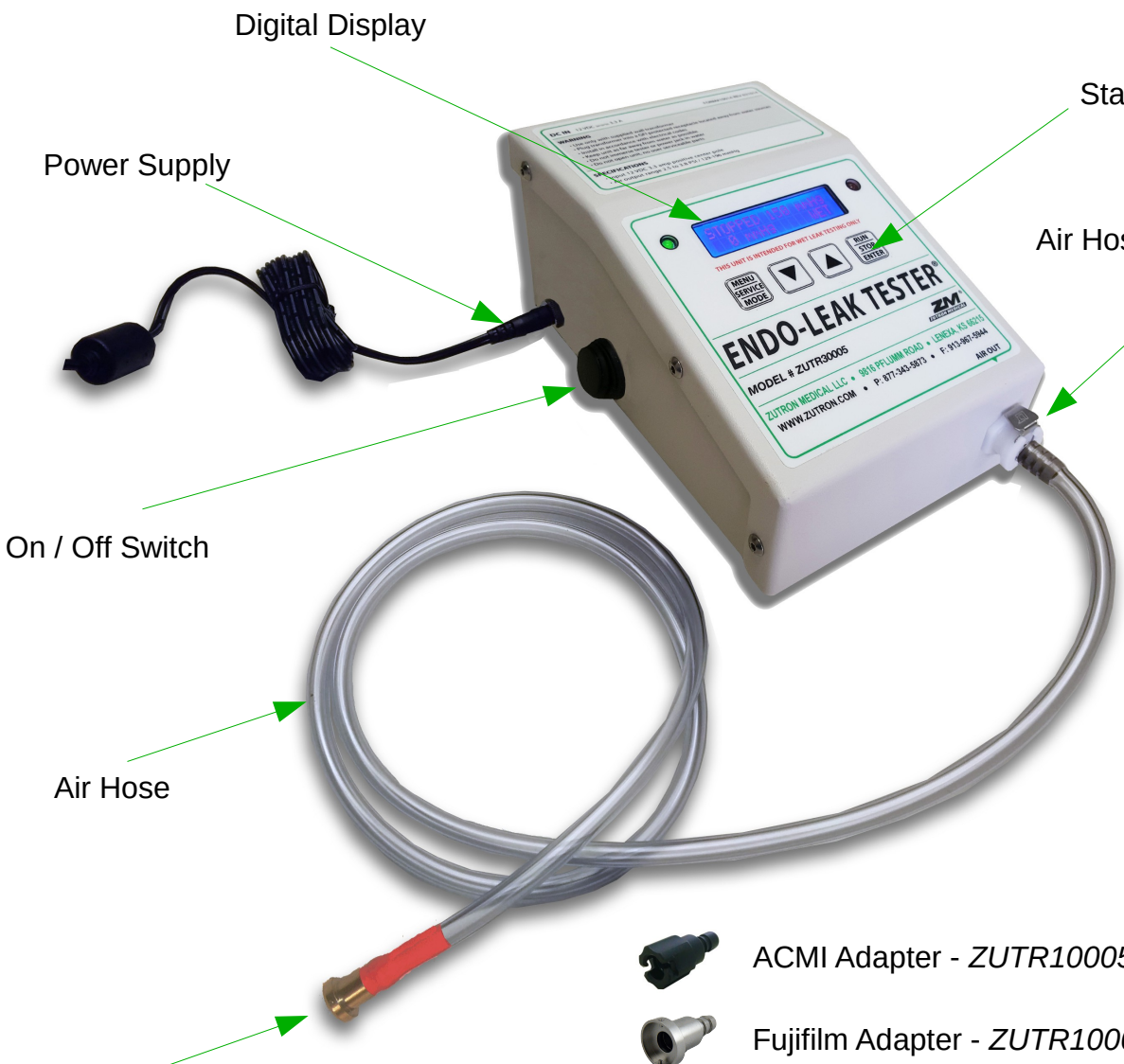
CAUTION Permanent wall-mounted installation should be performed by trained service personnel. Improper mounting could result in injury or damage to the Endo-Leak Tester.

NOTE Consult with responsible personnel for proper location and bracing of the mounting plate in your specific facility.

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 Endo-Leak Tester.
3. Allow the detergent solution to remain on the exterior surfaces of the Endo-Leak Tester 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 Endo-Leak Tester.
5. Thoroughly dry the surfaces of the Endo-Leak Tester 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 Endo-Leak Tester.
8. Allow the exterior surfaces of the Endo-Leak Tester to air dry.

Getting to know the Endo-Leak Tester



ACMI Adapter - *ZUTR10005A*

Fujifilm Adapter - *ZUTR10005F*

Olympus / Fuse Adapter - *ZUTR10005O*

Pentax Adapter - *ZUTR10005P*

Richard Wolf Adapter - *ZUTR10005W*

Storz Adapter - *ZUTR10005S*

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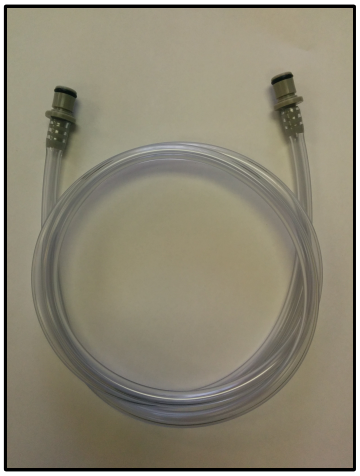
Getting to know the Endo-Leak Tester - Part II

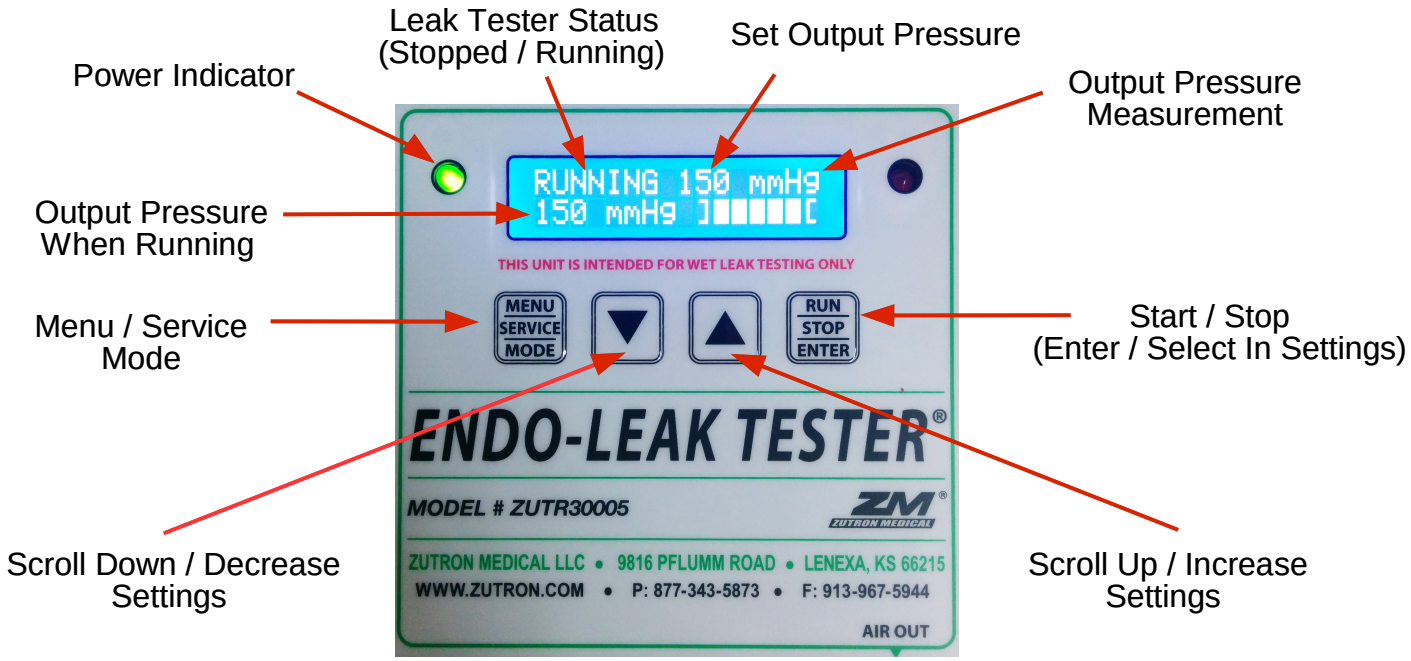
Leak Tester Adapter
(See previous page
for ordering information)

Calibration Gauge
ZUTR10005HH
(Sold separately or with
Endo-Leak Tester Kit



Calibration Gauge Adapter
ZUTR10005CA
(Sold separately or with
Endo-Leak Tester Kit

Digital Display



Instructions For Use

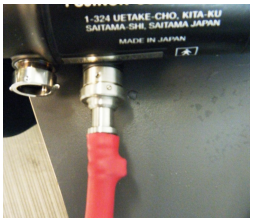
1. Plug in the power supply to the unit and attach the air hose connector to the front of the unit.

2. Power the toggle switch on and press “RUN” to ensure no fluid is inside the tubing or endoscope adapter.

After a few seconds press “STOP”.

3. Before placing endoscope in water, attach the leak test adapter to the endoscope and press “RUN”.

Wait at least 30 seconds before placing endoscope in water.



4. Submerge endoscope in water and look for air bubbles that indicate a leak coming from the endoscope, while deflecting the bending section.

5. After testing, remove the endoscope from water and press “STOP” on the Endo-Leak Tester unit.

6. Always wait 10 seconds after powering the toggle switch off to release the air from inside the endoscope before disconnecting the leak test connector.

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