

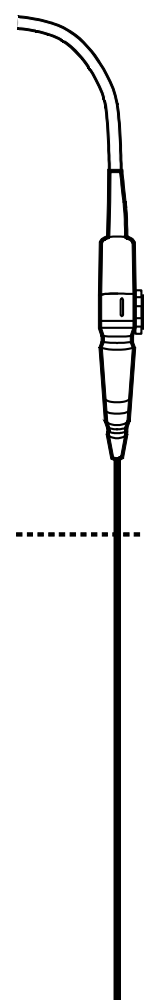
Transesophageal Transducer Cleaning and Care Guide

Cleaning and Disinfecting

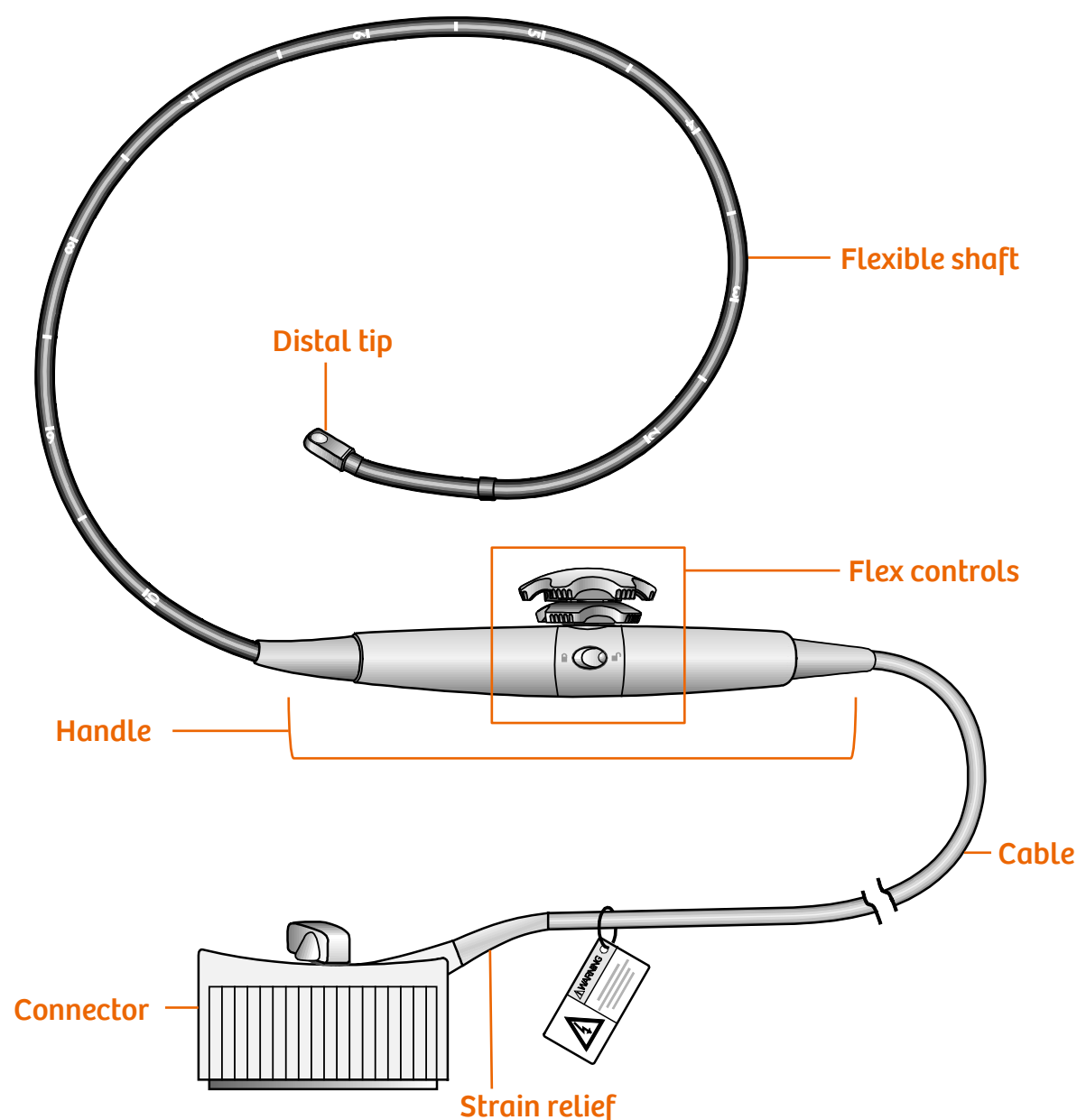


For complete instructions and a list of approved cleaners and disinfectants, refer to the ultrasound system's Instructions for Use manual and the Cleaners and Disinfectants Addendum.

1. Disconnect and remove the transducer from the ultrasound system.
2. Remove and dispose of any protective cover (sheath).
3. Clean the following parts of the transducer using an approved cleaner: distal tip, flexible shaft, handle, flex controls, cable, and connector. Avoid touching the connector's electrical component.



4. Fill a tub with an approved disinfectant and then submerge the distal tip and flexible shaft.
 - (V5Ms and Z6Ms) Do not submerge past the 100-cm mark.
 - (V7M) Do not submerge past the 70-cm mark.
5. Secure the transducer handle to the tub so the handle and flex controls do not fall into the disinfectant.
 - Do not allow the handle, flex controls, strain relief on the connector, or the connector to become wet.
 - Do not use isopropyl alcohol on the distal tip or flexible shaft.
6. Follow the disinfectant manufacturer's instructions for high-level disinfection.
7. Before each use of the transducer, complete the Electrical Safety section.



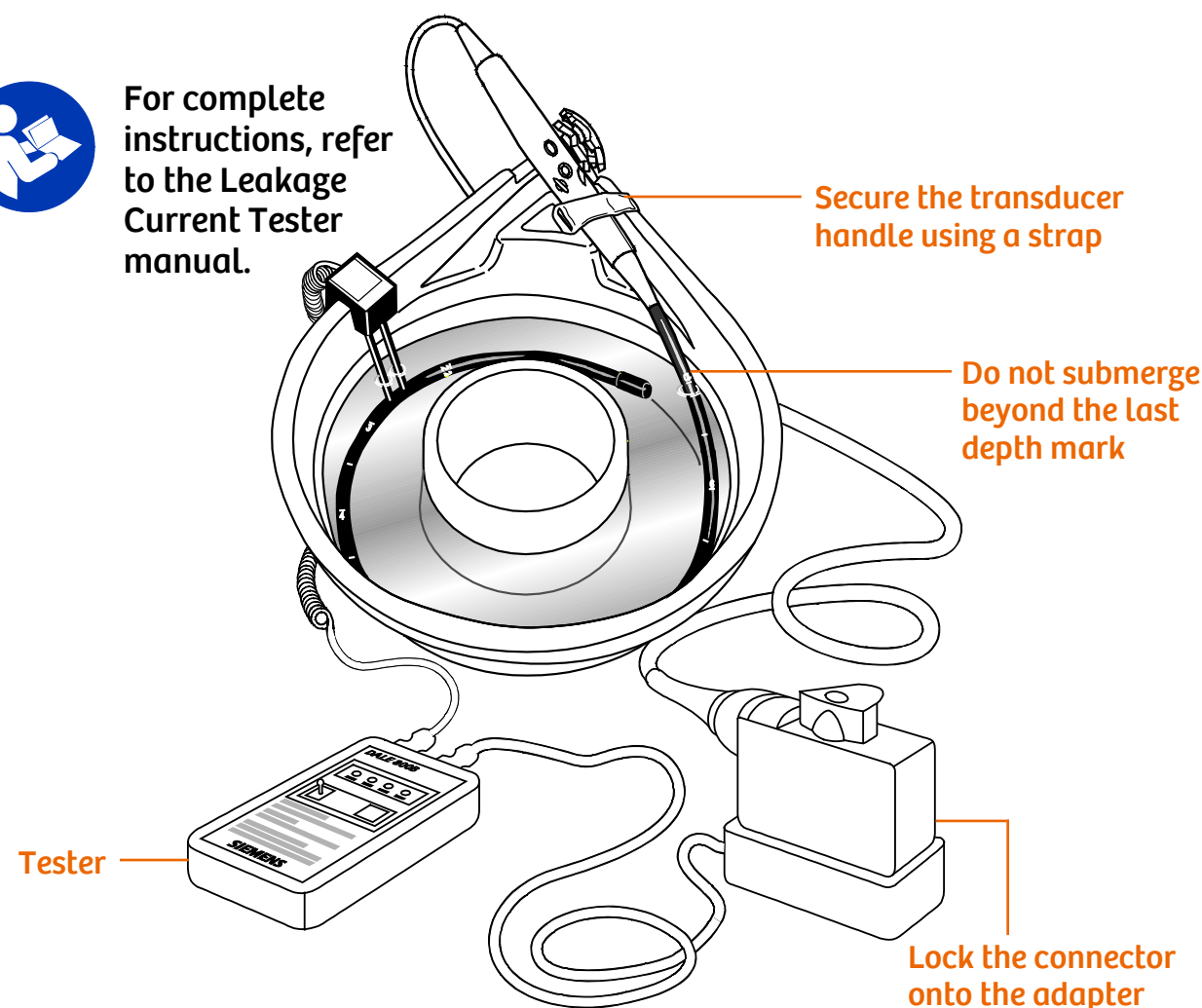
Electrical Safety

You must perform the electrical safety test prior to each use of the transducer. Passing the electrical safety test assures the leakage current is within acceptable limits at the time of the test.

⚠ WARNING: To prevent electric shock and possible injury to anyone near the tester, avoid touching the dual conductivity electrode rods when the tester is on.



For complete instructions, refer to the Leakage Current Tester manual.



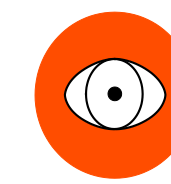
1. Fill the disinfectant tub with disinfectant or saline solution.
2. Keep the transducer handle, flex controls, cable, and connector dry as you carefully immerse the distal tip and flexible shaft in the solution. Observe the depth mark on the flexible shaft.
3. Secure the handle to the tub so the handle and flex controls do not fall into the bath.
4. Place the dual connectivity electrode rods in the solution to a depth of at least 25 mm (1 inch).
5. Connect the transducer adapter and dual conductivity electrode to the tester. The connections are interchangeable.
6. Connect the transducer connector to the transducer adapter and lock in place.
7. Press the **ON/TEST** button once and wait for the Ready light to illuminate.
8. Push the switch to **CONDUCTIVITY** and press the **ON/TEST** button again. Wait for the Pass or Fail indicator.
9. Push the switch to **LEAKAGE** and press the **ON/TEST** button again. Wait for the Pass or Fail indicator.

If conductivity fails, check the immersion depth of the electrode rods, the connections to the tester, and then retest. If a failure occurs again, replace the solution and then retest.

If leakage fails, check all connections and then retest. If a failure occurs again, do not use the transducer for a patient exam and contact your Siemens Healthineers service representative.

Transportation and Storage

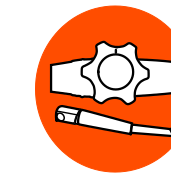
1. Apply a Siemens Healthineers approved disposable tip protector to the distal tip after cleaning and disinfecting.
2. Keep the tip straight, in the unlocked position and ensure the cable and flexible shaft are free of kinks.
3. Store the transducer in a clean, dry, protected environment.
4. Never store the transducer in the transducer holders on the ultrasound system.
5. Always use the carrying case to move the clean transducer from one location to another.



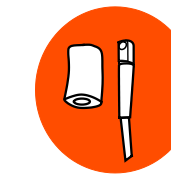
Inspect the transducer prior to each use. Do not use a transducer with cuts, tears, fraying, loose parts, or rough edges.



Always use a bite guard to protect the transducer and the patient's teeth.



Always use the flex controls to move the tip.



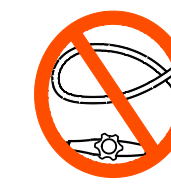
Always use a Siemens Healthineers approved disposable tip protector during storage.



Avoid bumping, scraping, or hitting the distal tip.



Avoid bending, twisting, stretching, or crushing the transducer cable.



Avoid excessive bending of the flexible shaft.

Replacement Supplies

CIVCO Medical Solutions	civco.com
U.S.A.	800-445-6741
Worldwide	319-248-6757
Encompas Unlimited, Inc.	encompasunlimited.com
U.S.A.	800-825-7701

Transesophageal Transducer Care Guide

- Cleaning and Disinfecting
- Electrical Safety
- Transport and Storage
- Support and Warranty

Thank you for your purchase of a Siemens Healthineers transesophageal transducer. Proper care and handling will protect your investment in this precision medical device. This guide includes information on cleaning and disinfecting procedures, electrical safety, transport and storage of your transducer. It also includes information on warranty support and replacement supplies. Please refer to the Instructions for Use manual for complete information.

This guide will withstand the rugged conditions of your ultrasound imaging site. Post this guide in a convenient location near your cleaning and disinfection area for greatest visibility.

Careful application of the procedures in this guide will help maximize the life of the transducer and prevent damage due to improper use or handling. Use only approved cleaners and disinfectants; the use of other solutions may void the warranty or service coverage.

Siemens Healthineers will replace transducers covered under a Siemens Healthineers Warranty or Performance Plan at no charge ONLY as a result of premature failure. The full replacement cost will be charged for damages resulting from mistreatment. Additional coverage for transducer damage is available with Siemens Healthineers Performance Plan agreements. For information on warranty coverage or service plan coverage options, contact your Siemens Healthineers service representative.

Contact your Siemens Healthineers service representative or refer to the ultrasound system's Instructions for Use manual for answers to your questions about the information in this guide. We appreciate your commitment to Siemens Healthineers systems and products and hope this guide helps maintain your transesophageal transducer in optimal working condition.



CE Declaration

This product is provided with a CE marking in accordance with the regulations stated in Council Directive 93/42/EEC of June 14, 1993 concerning Medical Devices. The CE marking only applies to medical devices that have been put on the market according to the above referenced Council Directive.

Unauthorized changes to this product are not covered by the CE marking and the related Declaration of Conformity.

EU Authorized Representative

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