THS®

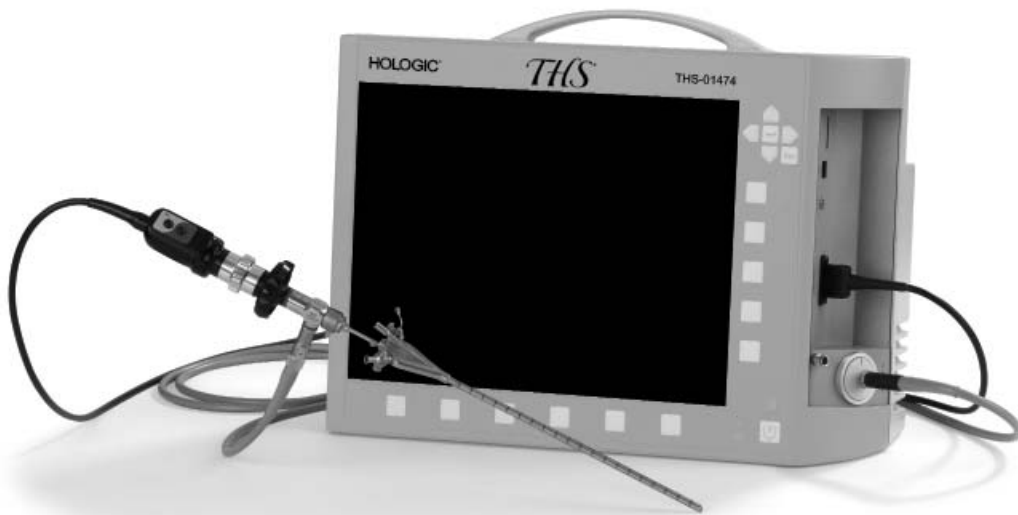### Tower-free Hysteroscopy System

Instructions for Use

Tower-free Hysteroscopy System

HOLOGIC®

The Women's Health Company

CONTENTS

SYMBOL DESCRIPTIONS

	Consult instructions for use.
	Caution
	Consult the instruction manual
	Risk of burns
	Standby
	Status: On
	Type C applied part according to IEC 60601-1
	Light cable connection
	Type BF applied part according to IEC 60601-1
	Color video camera
	Lateral microphone input
	USB port
SD	SD card slot
	Footswitch socket
	Line out
	Line in
	Rear microphone input
ACC	Connection socket for the remote control of peripheral units
	Service interface
	Potential equalization connector
	Electronic information product pollution control (China RoHS)

INSTRUCTIONS FOR USE

CAUTION: U.S. Federal Law restricts this product to sale by or on the order of a physician. It is intended only for use by individuals thoroughly trained in the techniques of hysteroscopy.

1. Introduction

This manual provides information about the safe and proper use of the THS® hysteroscopy system, including pertinent information on proper system assembly, basic operation, and troubleshooting. Please read this entire manual carefully before using this equipment. It is recommended that the instruction manual always stay with the system. If you have any questions concerning this manual or the proper and safe operation, please contact Hologic Technical Support.

2. System Description

THS is comprised of the components outlined below. Additional accessories are available separately and are listed in the Parts and Accessories Section.

Video platform
2.9mm scope, 30°
Camera and camera adapter
Light cord　*Sheath, 5.5mm, operative*
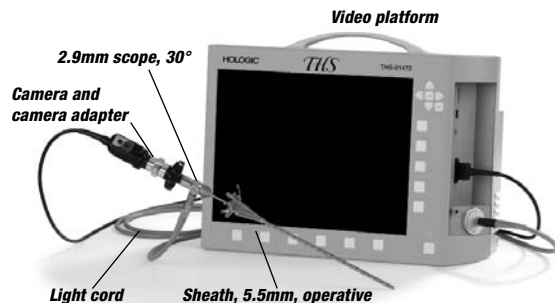
3. System Compatibility

- The THS® camera head is only compatible with the THS video platform.
- Scopes with a 32-mm diameter eyepiece (B Style) and a KARL STORZ-style light post are compatible with the THS camera head and light cord with the appropriate adapter.
- Peripherals (e.g., video monitors, printers) which can analyze the video signal can be connected to THS as well.

4. Intended Use

Generally recognized indications for diagnostic and operative hysteroscopy include:

Diagnostic Hysteroscopy

- Abnormal uterine bleeding
- Infertility and pregnancy wastage
- Evaluation of abnormal hysterosalpingogram
- Intrauterine foreign body
- Amenorrhea
- Pelvic pain

Operative Hysteroscopy

- Directed biopsy
- Removal of submucous fibroids and large polyps

- Submucosal myomectomy
- Transection of intrauterine adhesions
- Transection of intrauterine septa
- Endometrial ablation

5. Contraindications

Hysteroscopy is always contraindicated if the patient has acute pelvic inflammatory disease (PID). Hysteroscopy may be contraindicated by the following conditions, depending on their severity or extent:

- Inability to distend the uterus
- Cervical / vaginal infection
- Known pregnancy
- Recent uterine perforation
- Cervical stenosis
- Uterine bleeding or menses
- Invasive carcinoma of the cervix
- Medical contraindication or intolerance to anesthesia

6. System Assembly

Scope and Sheath Assembly

SmartSeal™ endoscopic seal
Inflow port
Scope eyepiece
cm markings
Outflow port　*Scope lock*　*Light post*
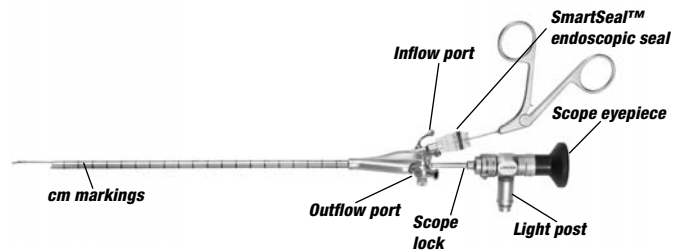
1. Open the sheath's scope by turning the scope lock to the left. Align the groove line on the luer to the '0' mark on the sheath.

Groove line on luer aligned with '0' mark on sheath
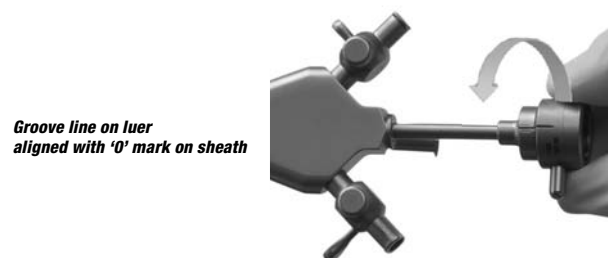
2. Align the '0' mark on the scope eyepiece with the '0' mark on the sheath when inserting the scope into the sheath.
3. Insert the scope into the sheath in a horizontal plane to reduce damage to the distal end of the scope.

4. Lock the scope into the operative sheath by turning the scope lock to the right.

5. When not using a seal cap or SmartSeal™, endoscopic seal, attach the sheath luer-lock connector to the working channel. This will allow the operator to stop fluid leakage from the working channel. When using a SmartSeal™ endoscopic seal, attach directly to the working channel.

Sheath luer-lock connector

Camera Head and Light Cord Assembly

6. Grip the camera head coupler with your thumb and push the notch to the right to open the coupler.

Thumb on camera head coupler notch

7. Insert the scope and release coupler to secure.

8. Attach the light cord to the light post of the scope until securely fastened in place.

Light cord to light post on scope
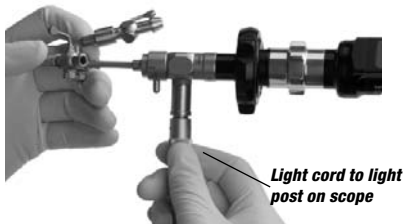
Connect and Turn-on Video Platform

9. Make sure the Video Platform is on a flat surface.

10. Insert the power cord into the device's power supply socket and plug into a wall outlet.

Power supply socket
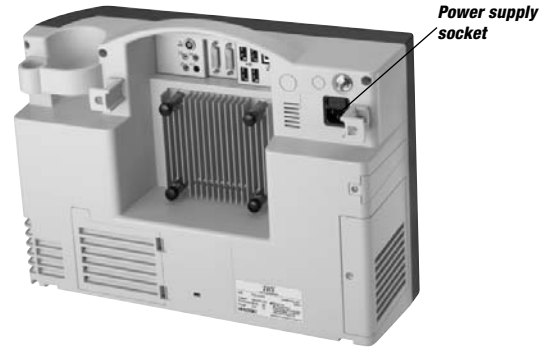
11. Connect the light cord into the light source connector on the side of the video platform. This should be performed prior to turning the unit on.

12. Confirm complete connection by visualizing only the black part of the light cord. If the light cord is not completely connected, light may be compromised.

7. System Operation

The following are basic instructions for the video platform. For further details on the operation, maintenance and troubleshooting of individual components please refer to the component IFU's.

1. Turn the video platform on by pressing the button as outlined below.

Power 'ON'
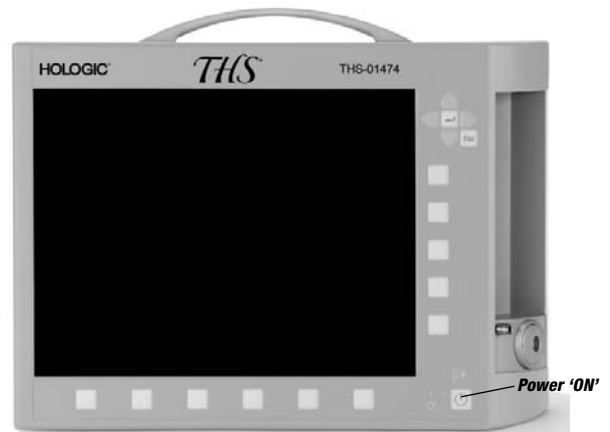
2. A start-up menu will appear for 30 seconds while the system warms up.

3. Insert the camera head cord into the connection socket on the side panel. The word 'UP' should face the front of the video platform.

Main Screen

Capture Still Image

Still Image

Capture Video (Start/Stop)

Capture Audio (Start/Stop)

Treatment Overview

Light Source

White Balance

Rotate Image 180°

Digital Zoom 2X

Full Screen/ Hide Menu

Data Browser

WHITE BALANCE

1. Turn the light source on by pressing the ☀ button.
2. Wait approximately 30 seconds for the lamp to reach its operating temperature.
3. Select the desired light intensity by pressing the ☀ button. The system starts with the minimal amount of light and allows you to choose three increasing intensities.
4. Point the scope at a sterile white surface.
5. Perform the white balance by pressing the ☐ button on the monitor or by pressing the camera button that has been programmed to white balance. (Factory default for white balancing is the primary silver button #2).
6. "White balance done" will appear on the screen when it has been performed properly. "White balance fail-too dark" will appear if there is not enough light through the scope or if the targeted object is too dark.

WARNING: Danger of glare! Never look in the open end when a light cable is connected.

OBTAINING AN IMAGE

1. After white balance has been completed, point the scope at an object and focus the image on the monitor using the camera head focus ring.

Focus ring

Factory default programmed functions

Blue primary	Capture still image
Blue secondary	Zoom
Silver primary	White balance
Silver secondary	Brightness

HOW TO CHANGE CAMERA BUTTON SETTINGS

1. Using the menu arrow buttons, select Settings.
2. Arrow down to the External Control Devices and press the select button.
3. Select the Camera Head buttons.
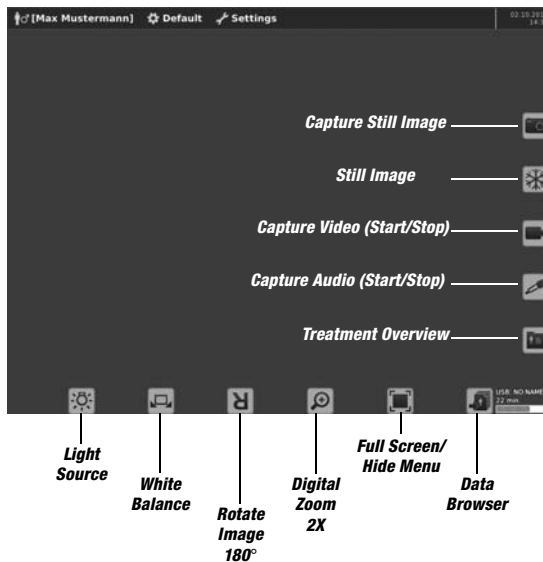4. Two functions can be controlled with each camera button. The primary function is activated by pressing the button briefly; the secondary function is activated by pressing the button for 2 seconds.

IMAGE ZOOM

1. The view on the monitor may be zoomed 1.25x, 1.5x, 1.75x, or 2x by pressing the 🔍2× button.
2. When the image is in zoom mode, the function symbol will be highlighted orange.
3. To un-zoom the image, press the zoom symbol again.

CAPTURE IMAGES

IMPORTANT: A memory device (SanDisk®, Cruzer®, SD card, etc.) and keyboard are required for capturing and storing still images, video, and audio.

1. Insert memory device (USB) to an available USB connection on the side panel.

2. Or, if using an SD card, insert the SD card into the SD card slot on the side of the video platform.

3. Connect the keyboard to one of the USB ports on the back of the video platform.
4. A treatment session must be started to capture images, videos and audio.
5. Select 'Patient' at the top of the main screen and scroll down to 'New Patient'.
6. Input desired information into the new patient data screen.
7. Select OK.
8. Several new menu options will now appear on the main screen and the active treatment session (last name) will appear on the upper left of the main screen.

IMAGE, VIDEO, AUDIO MAIN SCREEN OPTIONS
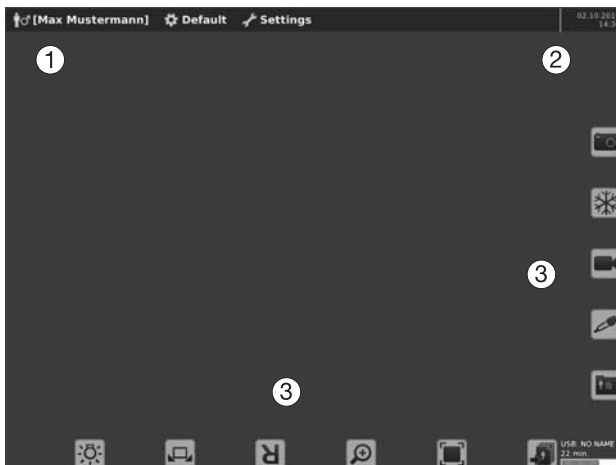
① Menu

② Info bar

③ Function buttons of the main screen

☼	Light Source You can change the light intensity here.
⊡	White Balance
Я	Rotate Image 180°
⊕₂ₓ	Digital Zoom 1.25x, 1.5x, 1.75x and 2x
⌷	Full screen/Hide menu
📲	Data Browser
👤≡	Treatment overview * Opens the treatment overview
✎	Capture Audio (Start/Stop) *
🎥	Capture Video (Start/Stop) *
❄	Still Image
📷	Capture Still Image *
⏏	Removing the storage medium safely
🗑	Deleting treatment
👤≡	Treatment overview
←	Back

NOTE: * The symbols only become visible when a patient/ treatment has been created

9. To capture an image, select the CAPTURE STILL IMAGE 📷 function button on the main screen or the programmed button on the camera head.
10. The captured image freezes at the bottom left of the screen for several seconds. The image is now stored onto the SD card or USB storage device.
11. To view images of the active treatment session, select the TREATMENT OVERVIEW 👤≡ function. The inputted patient data appears on the main screen.
12. Use the arrows to select the Images tab. Thumbnails of each image will appear to the left of the screen with a larger view of the image on the main screen.
13. You now have the option to mark for print, rename, or delete each image.

14. To exit out of this menu select the BACK [←] main screen function.

15. To view all the treatments saved on the storage media, select the DATA BROWSER [icon]. A list of the treatment sessions stored on the SD card or USB storage device will be listed. Use the arrow keys to select the treatment session you would like to view.

PRINTER SETTINGS/PRINTING AN IMAGE

1. Connect a PostScript® 3 printer with USB connection to an available USB port on the back of the video platform.

2. The name of the printer will appear briefly on the main screen when this is recognized.

3. A function symbol [printer icon] will appear on the bottom of the main screen.

There are several adjustable printer settings.

    A. Select Settings>Printer

        i. Print Copies. This specifies how many copies of each page are printed.

        ii. Direct Print. Offers you the possibility of printing directly when the set number of images per page is obtained. For example when the number of images per page is set at 2, the printer will print the page after the second image is taken.

        iii. Image per page. Specifies the number of images per page.

    B. To print images, select the TREATMENT OVERVIEW and Images tab. When the image is highlighted select 'Mark for Print' and the image will be furnished with a check mark.

    C. Press the print symbol at the bottom of the main screen and the image will be printed.

CAPTURE VIDEO

1. Select the CAPTURE VIDEO (Start/Stop) [video icon] function button.

2. When video is being recorded, the symbol will be highlighted orange.

3. To stop the video, press the CAPTURE VIDEO [video icon] function. The symbol will no longer be highlighted indicating recording has stopped.

CAPTURE AUDIO

1. Connect a microphone to the microphone accessory connection on the back panel.

2. To start recording audio, press the CAPTURE AUDIO (Start/Stop) [microphone icon] function button and the symbol will be highlighted orange.

3. To stop recording audio, press the symbol to remove the highlight.

CLEANING AND REPROCESSING

For component instructions on cleaning and reprocessing, please refer the most recent revision of the THS Cleaning and Reprocessing Instructions (MAN-02410-001).

TROUBLESHOOTING TIPS

WARNING: Always unplug the device and allow the light bulb to cool down before carrying out any maintenance work.

Problem	What May Have Caused This?	Action
THS Video Platform		
THS video platform does not power up (no Splash Screen)	No power to the THS video platform	• Check that there is power from the wall outlet • Make sure that power cord is functioning. Replace the power cord if necessary • Check that connections with wall outlet and THS video platform power receptacle are firm. If necessary, push in firmly. • Check and, if necessary, replace fuses. • Check and, if necessary, close lamp cover for replacing the light bulb.
No Main Screen (no camera head connected)	THS video platform has not completed initializing process.	• Wait until the initialization process is completed. The initialization process runs through three stages: splash screen with Hologic logo; loading screen; main screen, taking about two minutes.
	Initialization process was interrupted for any reason.	• Recycle power. Make sure no camera head is connected.
No image (camera head connected)	Black cover is on the camera head grasping mechanism.	• Remove black cover from grasping mechanism.
	THS video platform does not recognize Hologic camera head THS-01471.	• Disconnect camera head, recycle power, and reconnect camera head.
Dark image	Light source setting is too low.	• Increase the brightness setting on the THS video platform (second button on the bezel from the left). It is at zero when the THS video platform is switched on.
	Light source bulb is worn out or broken.	• Replace the light bulb (THS-01482) .
	If the light bulb is too hot it is possible that the bulb will not light during start-up.	• Wait one minute after switching off before restarting the device again.
	Lamp fan blocked or lamp ignition is defective.	• Contact Hologic Technical Support.
Image color looks unnatural	No white balance or an incorrect white balance has been performed.	• Perform "White Balance" by directing the completely assembled system (telescope, light cord, camera head, camera adapter, THS video platform) on a white target at good illumination, pressing the white balance button. Either the appropriate camera head button (depends on programming) or the bezel button on the THS video platform can be used. If successful, the message, "White Balance Done" appears.
	Fails white balance	• Properly illuminate the white target and redo white balance. A target which is too dark or too brightly illuminated compromises the white balance function.
	Defective LCD screen	• Contact Hologic Technical Support.
Image color alternates	Camera head cable is broken.	• Contact Hologic Technical Support.
On-screen icons are blocking anatomy in the image.	On-screen icons are automatically loaded during the THS video platform initiation process.	• Push second button from the right on the bottom bezel to make the icons disappear. Make sure you push the button rather than the icon on the screen.
The functions of the bezel buttons are not displayed.	On-screen icons have been hidden.	• Push second button from the right on the bottom bezel to make the icons reappear.

Problem	What May Have Caused This?	Action
THS video platform does not print.	Incompatible printer is connected to THS video platform.	• Confirm that you have a PostScript® printer connected.
	Printer cable and / or its connection is compromised.	• Check cable and replace if necessary.
	No paper	• Load paper.
	Cartridges out of ink.	• Replace cartridge.
Prints only one image per paper even though multiple pictures are selected in print layout.	No patient data was entered.	• Go to PATIENT and create a NEW PATIENT.
No on-screen print confirmation is provided.	No patient data was entered.	• Go to PATIENT and create a NEW PATIENT.
No patient information is printed on print-out.	Feature is not available.	• Patient identification of printed images is done by printing DATE and TIME of procedure.
Manual printing from PATIENT - DATA BROWSER prints only one picture per print layout (e.g., 1 /4).	Multiple pictures per print layout is not available.	• Select DIRECT PRINT ON in SETTINGS - PRINTER for automatic printing during procedure.
No still or video images are captured from camera head and/or THS video platform bezel.	No memory device is connected to USB port.	• Connect compatible USB memory device, e.g., SanDisk®, Cruzer®, etc.
	Memory device is incompatible with USB port.	• Connect compatible USB memory device, e.g., SanDisk®, Cruzer®, etc.
	Memory device is full.	• Connect new compatible USB memory device. Check memory storage display in the lower right screen corner, which only appears when the on-screen icons are not hidden.
	No patient data was entered and saved.	• Create NEW PATIENT. Use arrow and middle button on the right top bezel corner to activate the "Patient" button on the top left bezel corner. After patient is created, additional icons (capture still, capture video, capture audio, treatment overview) appear at the right screen margin and the patient name is displayed in the top left screen corner.
No image appears on a secondary monitor.	DVI cable and/or connection is compromised.	• Confirm that DVI cable connectors are not compromised (bent housing, broken pins, etc.). If they are, replace DVI cable.
	Secondary monitor is incompatible with the THS video platform DVI signal.	• Connect a compatible monitor.
Cannot enter patient data.	No keyboard is connected.	• Connect THS keyboard THS-01512.
	Keyboard is not functioning.	• Confirm you are using THS keyboard THS-01512.
	Cannot find submenu for patient data entry.	• Go to the PATIENT menu and activate NEW PATIENT.
THS video platform freezes.	Storage media was removed while the THS video platform was ON.	• Disconnect and reconnect power cord. Turn on the THS video platform. • Prior to removing storage media, go to PATIENT - DATA BROWSER and activate the eject button to " unmount" storage media.
	Picture was taken without a camera head connected.	• Disconnect and reconnect power cord. Turn on the THS video platform.

Problem	What May Have Caused This?	Action
THS Camera Head and Camera Adapter, 38 mm		
No image on the monitor with the camera head directed towards light	THS video platform is not switched ON.	• Switch on THS video platform and wait for initialization until live image appears. First a splash screen with the Hologic logo appears that is then replaced with the loading screen indicating initialization.
	Camera head card-edge connector is not connected.	• Connect camera head card-edge connector with THS video platform.
	Camera head card-edge connector is not functioning.	• Inspect camera card-edge connector for moisture and dirt. Clean and dry card-edge connector with 70% isopropyl alcohol to remove any residual detergent. • Inspect camera cartridge connector for deformation. If it does not easily fit into the THS video platform receptacle, replace camera head (THS-01471). To replace, detach the camera head from the camera adapter.
	Camera head cable is damaged (e.g., shows cuts, kinks, bubbles).	• Contact Hologic Technical Support.
	Camera adapter is not attached to camera head.	• Attach camera adapter (THS-01511) to camera head (THS-01471). Screw the adapter clockwise onto the camera head until the very end of the thread.
Blurry image without a telescope attached	Object is not in focus.	• Pick an object that is **at least 3 feet away** and adjust the focus ring until the image appears sharp. Make sure you have enough ambient light and that the camera adapter is completely screwed into the camera head thread. If not successful, contact Hologic Technical Support.
Camera head does not securely connect with the telescope eyepiece.	Grasping mechanism of the camera adapter is loose or broken.	• Contact Hologic Technical Support.
Image on the monitor is not centered.	Camera adapter is not properly attached to the telescope eyepiece.	• Check that camera adapter easily rotates on the telescope eyepiece. If it does not, camera adapter is not properly attached. • Detach telescope eyepiece from camera adapter by rotating the outer ring of the adapter grasping mechanism counter-clockwise. Reattach the telescope eyepiece to the camera adapter by rotating the outer ring of the adapter grasping mechanism clockwise.
	Grasping mechanism of the camera adapter is loose or broken.	• Contact Hologic Technical Support.
	Misalignment of telescope and / or camera head imager.	• Contact Hologic Technical Support.
Camera head button does not work as expected.	Camera head buttons are not programmed according to specific needs.	• Default button functions are: SILVER PRIMARY (white balance), SILVER SECONDARY (brightness), BLUE PRIMARY (capture still image), BLUE SECONDARY (zoom). • Program desired camera head buttons as instructed in the How to Change Camera Button Settings section of this instruction booklet.
	Camera head buttons are not functioning.	• Contact Hologic Technical Support.

Problem	What May Have Caused This?	Action
THS Telescopes		
Blurry image	Broken lenses	• Confirm broken lenses by looking through the telescope with your eyes. If available, use a magnifying lens to focus through the lens system. Replace with new telescope.
	Broken windows	• Contact Hologic Technical Support.
	Inside humidity caused by steam sterilization failure	• Contact Hologic Technical Support.
	Camera is not properly focused.	• Focus the camera head with the telescope attached at an object that is about 15–20 mm away from the distal tip of the telescope.
	Camera adapter is not completely screwed into the camera head thread.	• Completely screw the camera adapter into the thread of the camera head leaving no space between them.
	Camera head optics is broken.	• Contact Hologic Technical Support.
	Humidity/fogging between telescope and camera head	• Detach telescope from camera head and clean the optical surface of the telescope and camera head with an alcohol swab; dry with a soft cloth; and then replace coupler.
Dark Image	Dirty objective (distal tip) and/or ocular (proximal tip) window	• Clean the objective and/or ocular window with alcohol swab, and dry with a soft cloth.
	Broken illumination fibers in the telescope shaft	• Confirm broken fibers by holding the distal tip of the telescope against a light while looking at the proximal end of the illumination fiber in the light post. Broken fibers appear dark. Replace telescope.
	Illumination fiber bundle entrance surface in the light post is dirty or burned.	• Clean the surface with a Q-tip® soaked in 70% alcohol. If dirt is burned in, replace the telescope.
	Light cord is not properly connected with light post.	• Check that the adapter for the light cord (THS-01484) is attached to the light post. If not, connect it. • Properly screw the light cord to the light post adapter.
	Light cord has broken fibers.	• Confirm broken fibers by holding one end to a light or lamp while looking at the other end. Broken fibers appear as dark dots. If more than 30% fibers are broken, replace the light cord (THS-01470).
	Light cord is not properly connected with light source.	• Make sure that the light cord is completely inserted into the light source connection of the THS video platform. You hear a click if it is.
	Light source setting is too low.	• Increase the brightness setting on the THS video platform. The brightness is at minimum when the THS video platform is switched on.
	Light source bulb is worn out or broken.	• Replace the light bulb (THS-01482) when the life meter shows more than 1,000 hours or when it stops working.
Cannot connect light cord with telescope	Missing light cord adapter	• Connect the adapter for the light cord (THS-01484) with telescope light post.

Problem	What May Have Caused This?	Action
THS Light Cord		
Dark Image	Light cord has broken fibers.	• Confirm broken fibers by holding one end to a light or lamp while looking at the other end. Broken fibers appear as dark dots. If more than 30% fibers are broken, replace the light cord (THS-01470)
	Light cord fiber bundle entrance and exit surface are dirty or burned.	• Clean the surfaces with a Q-tip® soaked in 70% alcohol. If dirt is burned in, replace the light cord.
Does not connect with telescope light post.	Light cord has bent or broken telescope connector.	• Contact Hologic Technical Support.
	Light post is missing appropriate adapter.	• Check that the adapter for the light cord (THS-01484) is attached to the light post. If not, connect it. • Properly screw the light cord to the light post adapter.
THS Diagnostic Hysteroscope Sheath		
Telescope does not easily slide in sheath.	Sheath is bent.	• Contact Hologic Technical Support.
	Sheath has dents.	• The sheath is a delicate instrument. Confirm that it is being stored with no other items or components on top.
Telescope does not securely lock into sheath.	Cannula lock connection to telescope is broken.	• Contact Hologic Technical Support.
Cannot distend the uterus; insufficient intra-uterine pressure	Insufficient inflow	• Make sure your irrigation bag is at a sufficient height. • Make sure the inflow tubing is not kinked or has a closed valve. • Confirm that the inflow tubing is attached to the inflow port. • Make sure inflow stopcock is in the open position. • Insert cleaning brush into inflow port to make sure there is no debris blocking the port.
	Excessive outflow	• Confirm that there was not an excessive amount of fluid leakage through the cervix which may have been caused by over-dilation.
THS Operative Hysteroscope Sheath and Luer-Lock Adapter		
Telescope does not easily slide in sheath.	Sheath is bent.	• Contact Hologic Technical Support.
	Sheath has dents.	• The sheath is a delicate instrument. Confirm that it is being stored with no other items or components on top.
Telescope does not securely lock into sheath.	Cannula lock connection to telescope is broken.	• Contact Hologic Technical Support.
Device (instrument, Adiana® catheter) does not slide easily into working channel.	Working channel is blocked.	• Make sure you have the proper seal cap • Make sure stopcock of the luer-lock adapter is in the open position • Clean the working channel with cleaning brush (THS-01489) and flush the working channel with water (use luer-lock syringe) until debris is removed.
	Working channel insert is bent.	• Contact Hologic Technical Support. • The sheath is a delicate instrument. Confirm that it is being stored with no other items or components on top.
Luer-lock connector does not securely connect with working channel luer-lock	Luer-lock not properly connected	• Contact Hologic Technical Support. • The sheath is a delicate instrument. Confirm that it is being stored with no other items or components on top.
	Broken luer-lock connection	• Contact Hologic Technical Support.

Problem	What May Have Caused This?	Action
Insufficient continuous flow	Ports are blocked.	• Make sure your irrigation bag is at a sufficient height. • Make sure the inflow tubing is not kinked or has a closed valve. • Make sure inflow and outflow stopcocks are in the open position. • Insert cleaning brush into flow ports to make sure there is no debris blocking the port.
	Working channel is blocked.	• An instrument in the working channel reduces continues flow because it narrows the available outflow lumen; check continuous flow without instrument • Insert cleaning brush into working channel to make sure there is no debris blocking the channel.
Cannot distend the uterus; insufficient intra-uterine pressure	Insufficient inflow	• Make sure your irrigation bag is at a sufficient height. • Make sure the inflow tubing is not kinked or has a closed valve. • Confirm that the inflow tubing is attached to the inflow port. • Make sure inflow stopcock is in the open position. • Insert cleaning brush into flow ports to make sure there is no debris blocking the port.
	Excessive outflow	• Confirm that there was not an excessive amount of fluid leakage through the cervix which may have been caused by over-dilation. • You may have to gradually close the outflow stopcock to reduce outflow and increase intrauterine pressure.
THS Hand Instruments*		
Scissors do not cut.	Scissors are dull.	• Contact Hologic Technical Support.
	Scissors blades are sticking together.	• Clean scissors hand instrument tip with a neutral pH, enzymatic solution. Please refer the most recent revision of the THS Cleaning and Reprocessing Instructions (MAN-02410-001). • If the problem persists, contact Hologic Technical Support.
	Scissors jaws are broken.	• Contact Hologic Technical Support.
	Shaft is broken or kinked.	• Contact Hologic Technical Support.
Biopsy forceps do not gain adequate biopsy bite.	Blades are sticking together.	• Clean biopsy hand instrument tip with neutral pH, enzymatic solution. Please refer the most recent revision of the THS Cleaning and Reprocessing Instructions (MAN-02410-001). • If the problem persists, contact Hologic Technical Support.
	Jaws are broken.	• Contact Hologic Technical Support.
	Shaft is broken or kinked.	• Contact Hologic Technical Support.
Tenaculum does not grasp tissue.	Blades are sticking together.	• Clean tenaculum hand instrument tip with neutral pH, enzymatic solution. Please refer the most recent revision of the THS Cleaning and Reprocessing Instructions (MAN-02410-001). • If the problem persists, contact Hologic Technical Support.
	Jaws are broken.	• Contact Hologic Technical Support.
	Shaft is broken or kinked.	• Contact Hologic Technical Support.

*Customer is responsible for any repair or replacement for the THS hand instruments.

PARTS AND ACCESSORIES

Hologic Product Number	Hologic Description
THS-01465	Scope, 2.9mm, 30 degree
THS-01475	Hysteroscope Sheath & Stopcock Kit
THS-01467	Sheath, 5.5mm, Operative
THS-01468	Sheath Luer-Lock Connector
THS-01472	Video Platform - Sky
THS-01473	Video Platform- Peach
THS-01474	Video Platform - Lavender
THS-01514	THS Camera and Camera Adapter Kit
THS-01471	Camera Head
THS-01511	Camera Adapter, 38mm
THS-01470	Light Cord
THS-01466	Scope, 2.9mm, 12 degree
THS-01469	Sheath, 4.1mm Diagnostic
THS-01479	Biopsy Forceps Hand Instrument
THS-01480	Scissors Hand Instrument
THS-01481	Tenaculum Hand Instrument
THS-01489	Cleaning brush, 35cm, 3 pk
THS-01482	Light Bulb, Metal Halide, 50 watt
THS-01483	Adaptor to Wolf Light Cable
THS-01484	Adaptor for Storz/Olympus/ Stryker Telescopes to THS Light Cable
THS-01485	Stopcock Insert
THS-01486	Stopcock Spring Cap
THS-01487	Power Cord
THS-01488	Plastic Protection Tube
THS-01512	Keyboard w/ Touchpad
A10SEAL	SmartSeal™ Endoscopic Seal

WARRANTY, SERVICE, AND REPAIR

Technical Support and Product Return Information

Contact Hologic Technical Support if the THS System fails to operate as intended. If product is to be returned to Hologic for any reason, Technical Support will issue a Returned Materials Authorization (RMA) number and biohazard kit if applicable.

Return the THS System according to the instructions provided by Technical Support. Be sure to clean the product before returning it and include all accessories in the box with the returned unit.

Hologic Technical Support
United States:
Phone: 1.800.442.9892 (toll-free) or 1.508.263.2900
Fax: 1.508.229.2795

WARRANTY INFORMATION

Hologic warrants to the original purchaser of the THS System that it shall be free of defects in material and workmanship when used as intended under normal surgical conditions and in conformance with its instructions for use and maintenance instructions. The obligation of Hologic under this warranty shall be limited to the repair or replacement, each at no charge, at the option of Hologic within one year from the date of purchase, if examination shall disclose to the satisfaction of Hologic that the product does not meet this warranty.

The following Accessories are not covered by Hologic's standard warranty as described: (Part #THS-01479) - Biopsy Forceps Hand Instrument, (Part # THS-01480) - Scissors Hand Instrument, (Part# THS-01481) - Tenaculum Hand Instrument and (Part # THS-01469) - Sheath, 4.1mm Diagnostic. Customer agrees that it shall be responsible for any repair or replacement of the foregoing Accessories. Hologic will offer Customer the option to purchase replacements for foregoing Accessories at a 25% discount off the current list price for such Accessories.

THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS AND LIABILITIES ON THE PART OF HOLOGIC. HOLOGIC NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF A THS SYSTEM. THIS WARRANTY SHALL NOT APPLY TO A THS SYSTEM OR ANY OTHER PART THEREOF WHICH HAS BEEN SUBJECT TO ACCIDENT, NEGLIGENCE, ALTERATION, ABUSE, OR MISUSE, NOR TO ANY THS SYSTEM THAT HAS BEEN REPAIRED OR ALTERED BY ANYONE OTHER THAN AN AUTHORIZED HOLOGIC SERVICE PERSON. HOLOGIC MAKES NO WARRANTY WHATSOEVER WITH REGARD TO ACCESSORIES OR PARTS USED IN CONJUNCTION WITH THE THS AND NOT SUPPLIED AND MANUFACTURED BY HOLOGIC. THE TERM "ORIGINAL PURCHASER", AS USED IN THE WARRANTY, SHALL BE DEEMED TO MEAN THAT PERSON OR ORGANIZATION AND ITS EMPLOYEES, IF APPLICABLE, TO WHOM THE THS WAS SOLD BY HOLOGIC. THIS WARRANTY MAY NOT BE ASSIGNED OR TRANSFERRED IN ANY MANNER.

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