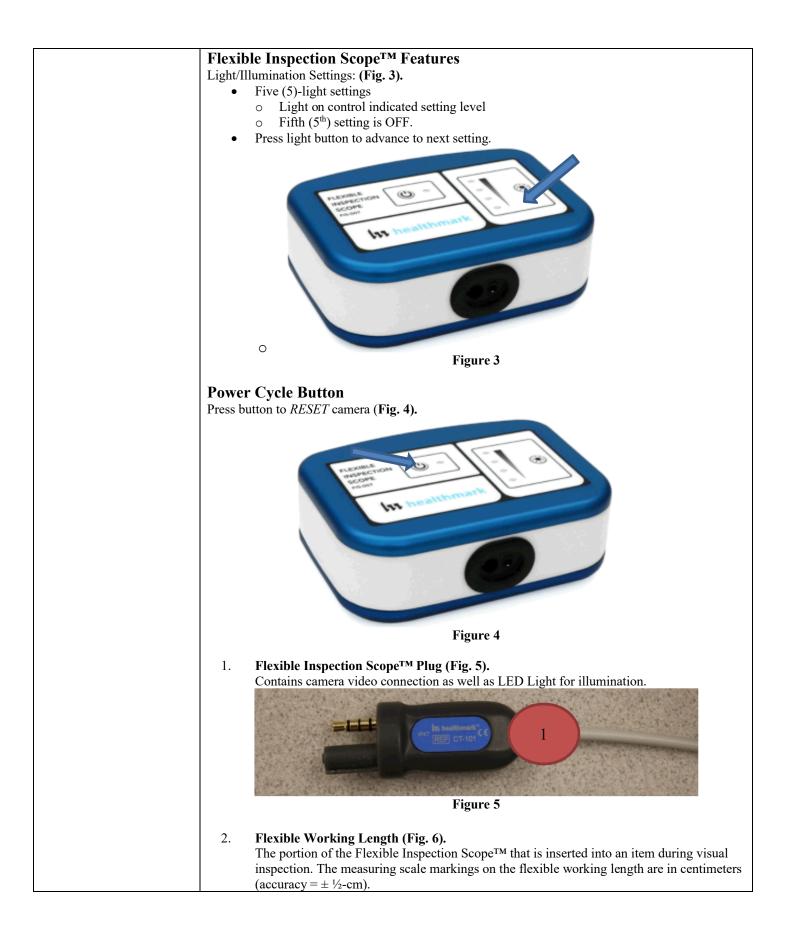


Brand Name of Product	Flexible Inspection Scope Kit-HDMI		
Generic Name of Product	Flexible Inspection Scope Kit-HDMI		
Product Code Number(s)	FIS-007H, FIS-007HB, CT-101, CT-102, CT-103, CT-104		
Intended Use	For visually inspecting items.		
Range of Applications for Product	Enhance visual inspection by providing lighted magnification, image capture, and the option for documentation in hard-to-see crevices, channels, and lumens in the areas for instruments not visible to the unaided eye.		
Key Specifications of Product	Flexible Inspection Scope [™] FIS-007H		
	 CT-101 1.90 mm OD and 110 cm Length CT-102 1.06 mm OD and 110 cm Length CT-103 1.90 mm OD and 60 cm length CT-104 1.90 mm OD and 200 cm length Optical: Resolution Format CT-104 1.90 mm: 160,000 pixels (or 400 x 400 pixels) 		
	 CT-103 1.90 mm: 160,000 pixels (or 400 x 400 pixels) CT-102 1.06 mm: 40,000 pixels (or 200- x 200 pixels) CT-101 1.90 mm: 160,000 pixels (or 400 x 400 pixels) Field of View: 120° in air Angle of view: 0°. 		
	HDMI Control Module (2 mm): Control Module housing Camera processor and LED illumination HDMI		
	 Dimensions: 5.24- x 3.90- x 1.85 inches Weight: 1.20 pounds Digital Inspection Scope Connection Illumination Control Power Cycle Power Input: 100- to 240 volts (V) alternating current (ac), ≈ one (1) ampere (A), 47- to 63 hertz (Hz) (from wall outlet). Power Output: Five (5) V, two (2) A (to enclosure). System Power Button 		
	 All scope lengths and both diameters. HDMI Mini to HDMI Cable. Easily change from small and large diameter scopes. 		
	Light Settings: There are four light settings operated by one-button.		
	 Blinking Light: Indicates transmitting video data Splash Proof (IPX5 Rating) Requires external power. 		
	 Box Features: No Documentation capabilities Power plug Power Button (on top of the Box) Catheter Holders- Integrated rubber catheter holder. 		
	 Flexible Inspection Scope Software Requirements: No Software-plug into any HDMI monitor. 		

Shipping & Storage				
Shipping Conditions &	N/A			
Requirements				
Storage Conditions	Storage and transport			
	• Humidity: 10- to 100% relative humidity (rh) (or condensing)			
	• Temperature: -20- to 60 °C			
	• Air Pressure: 600- to 900 hectopascals (hPa) (or millibars [mb]).			
	Normal Operation			
	• Humidity: Zero (0)- to 100% rh			
	• Temperature: Five (5)- to 40 °C.			
Packaging Contents	N/A			
Shelf Life	Warranty: One (1)-year from the date of purchase.			

Instructions for Using Prod	uct			
Description of Use(s)	For visually inspecting it	ems.		
Preparation for Use	Unpacking Flexible Inspection Scope: Carefully inspect for shipping damage. If there is any damage, contact the shipping carrier and Heatlhmark customer service (800) 521-6224 immediately.			
	HDMI Control Mod 1. Digital Inspectio 2. Illumination Cod 3. Power Cycle 4. N/A 5. Mini HDMI Out 6. Power Input 7. System Power B	on Scope Connection ntrol	3	
		2 5 6 Figu	0 7 me 1	
	B. CT-102: 1.06 m C. CT 103: 1.90 m	Length: (Fig. 2). m Outside Diameter (O.E m O.D. and 110 cm Leng m O.D. and 60 cm Length m O.D. and 200 cm Length	rth n	
	Figure A	Figure B Figu	Figure C Ire 2	Figure D



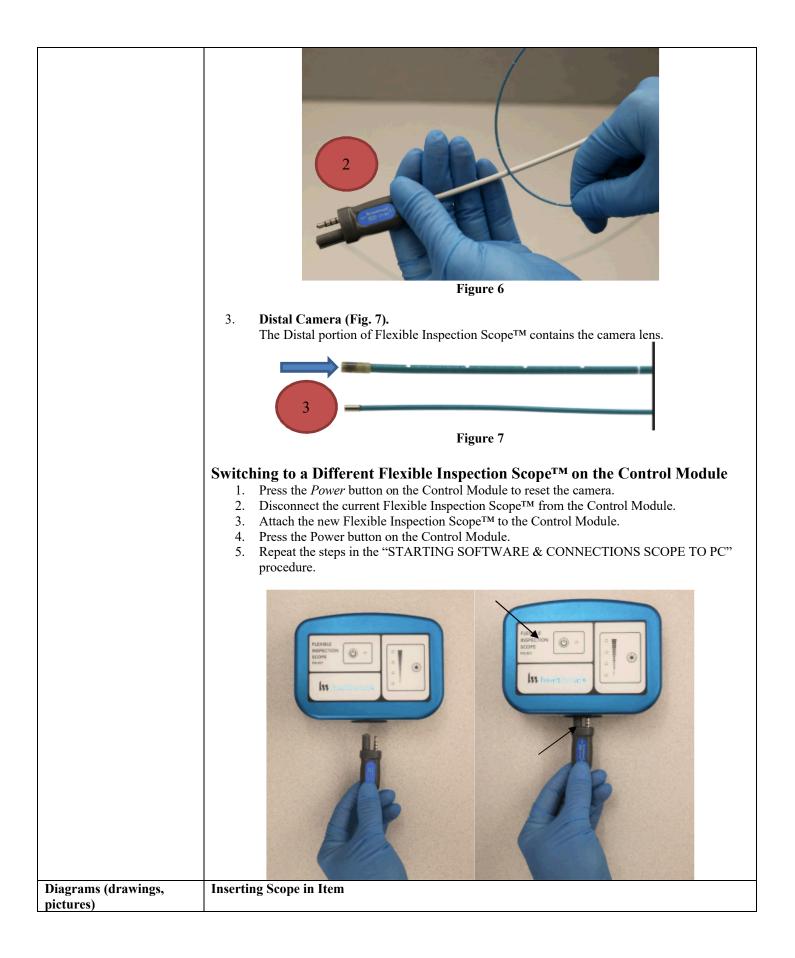


	Figure 1 Rotating Device to Avoid Obstacle
Steps for Use of Product	Figure 2 Performing Inspection
	 Following the steps listed below will ensure the proper use and best performance of the Flexible Inspection ScopeTM. Follow the steps prior to inspection. 1. Grasp the Flexible Inspection ScopeTM near its distal end and gently insert the flexible working length into the intended item as shown in. (Fig. 1 above). 2. Adjust light with the Illumination button on the Control Module for ideal lighting. 3. Use short advancements while keeping your fingers close to the device's opening. View the monitor while inserting into the item. If an obstruction hinders the path of the Flexible Inspection ScopeTM, gently attempt to manipulate or rotate it to avoid the obstacle. (Fig. 2 above). 4. Once the flexible working length has reached the end of the area being inspecting, retract the scope slowly while looking for debris or damage. 5. When switching between Control Modules, power off the Control Module currently is in use, then disconnect the Flexible Inspection ScopeTM from the Control Module. 6. If the HDMI Control Module is in use: a. Power off the Control Module. b. Disconnect the Borescope Catheder. c. Remove the power adapter.
Interpretation of Test Results	N/A
Contraindications of Test Results	N/A
Documentation	N/A
Special Warnings and Cautions	 Read and understand this IFU to ensure operator safety before using the Flexible Inspection ScopeTM. Do not attempt to use the Flexible Inspection ScopeTM if it appears to be damaged. The Flexible Inspection ScopeTM is not sterile as supplied. The user must follow the protocol for cleaning and disinfecting or sterilizing as described in the instructions for <i>Cleaning</i> and <i>Disinfecting</i> or <i>Sterilizing</i> section. Do not attempt to service any part of this product. Do not autoclave the Flexible Inspection ScopeTM. Avoid looking directly at the emitted light or directing it toward others. The Flexible Inspection ScopeTM emits visible light energy from its distal end when powered on.

	 Do not bend the Flexible Inspection ScopeTM to a radius less than ½-inch (12.7 mm). This may cause damage. Do not apply excessive force to the Flexible Inspection ScopeTM. Applying excessive force
	 to the Flexible Inspection Scope[™] can result in damage. o If you feel resistance or an obstruction hinders its path, gently attempt to
	 manipulate or rotate the scope to avoid the obstacle. You may also slowly withdraw it a short distance and try advancing again.
Disposal	Dispose of the same way as standard electrical products. Follow your local regulations for disposal of electrical components.

Reprocessing Instructions				
Point of Use	N/A			
Preparation for Decontamination	N/A			
Disassembly Instructions	Disconnect the Flexible Inspection Scope [™] from the Control Module prior to			
	cleaning/disinfecting.			
Cleaning – Manual	Cleaning Between Uses:			
	 Wipe down the Flexible Inspection Scope[™] with a compatible wipe. Follow the wipe manufacturer's (Mfr.'s) Instructions for Use (IFU) for appropriate wipe usage. <u>Click here</u> to see the Chemical Compatibility Chart (PDF) for approved cleaning agents. 			
	(Note: The Flexible Inspection Scope TM is made of the same material as other common endoscopes. Any wipe, solution, or low temperature (≤ 60 °C (140 °F) method intended for the reprocessing of endoscopes is likely compatible with the Generation II Flexible Inspection Scope TM Catheters if used according to the product labeling.)			
	The Flexible Inspection Scope[™] has a fluid ingress protection rating of IPX7 (Waterproof) and can withstand immersion in fluid up to one (1)-, m in depth for up to 30 minutes.			
	Control Module HDMI has a fluid ingress protection rating of IPX4 (Water resistant) can withstand splashing water from any direction.			
	 For Thorough Cleaning: Cables Follow the cleaning agent Mfr.'s IFU. 1. Unplug and disconnect all components from the Control Module prior to cleaning. 2. Do not submerge or soak the cable for disinfection (<i>cable is not waterproof</i>). 3. Wipe thoroughly with a non-linting wipe moistened with facility approved neutral detergent. Use the appropriate brushes with detergent solution to remove any residues from areas that cannot be reached with the wipes. 			
	 For Thorough Cleaning: Control Module Unplug and disconnect all components from the Control Module prior to cleaning. Do not submerge or soak the cable for disinfection (Control Module is not waterproof). Wipe thoroughly with non-linting wipe with a facility approved neutral detergent. Use the appropriate brushes with detergent solution to remove any residues from areas that cannot be reached with the wipes. (Note: Do NOT soak. The Control Module and cable are not waterproof and should not be immersed.) 			
Cleaning – Automated	N/A			
Disinfection	Control Module and Cables			
	 These may be cleaned with alcohol based disinfectant wipes. Compatible agents (wipes and solutions) for disinfecting Flexible Inspection Scope[™] and Control Module: Hydrogen peroxide Isopropyl alcohol (IPA) Sodium hypochlorite (Bleach) Ortho-phenylphenol 			

	Quaternary a	ammonium.			
	 Follow all regarding he regarding he Soak the Fle Mfr.'s IFU. Rinse the Fle 	infecting solutions lise commendations of the ealth hazards, dispension exible Inspection Scop	ted in the compatible e cleaning and disinf ing, measuring, and s pe [™] in the selected d		
	Reprocessing Chemic Flexible Inspection		rt (PDF): <u>Click here.</u>		
Drying Maintenance, Inspection, and Testing	 Dry with a s Ensure the d Air drying c degraded im Prior to use 	terile, non-linting wip istal tip and proximal ould leave deposits or age. , carefully inspect th	ends are dried. h the optical surfaces e external surfaces	, which could result in a of the Flexible Inspection th and free of any wear or	
	 damage (i.e., protrusions or sharp edges). Flexible Inspection Scope[™] have no user: serviceable parts. maintenance beyond cleaning. Refer all service or replacement needs to Healthmark Light leaks may be common and possibly noticeable portion of the Flexible Inspection Scope[™]. This does not influence its function, but it s output. Overly dark images on your monitor may b fibers and may require repair or replacement Scope[™]. 			when inspecting the flexible hould be monitored for light caused by damaged light	
	Troubleshooting and Condition	Appearance	Cause	Correction	
	No image	Main image Window is black.	The Inspection Scope was not connected to the computer when the software was opened.	Unplug USB Connection on Camera Cable and plug in again.	
	No image	Main image Window is black.	1. USB Video Device not selected, or without the scope connected. 2.Check HDMI Monitor "Input" Selection	If no image, go to the 'Settings' Tab and select USB Video Device.	
	No light	No light when scope pointed at surface.	No power to light source or power connections are not secure.	 Check the Camera Cable connections and make sure the computer is powered on. HMDI is "ON". 	
	Low light	No image or very dark image. Weak light pattern when scope pointed at surface.	Light setting too low.	Cycle through light intensity levels/settings until a clear image is obtained.	
	Low light	No image or very dark image. Weak or light pattern	Broken light fibers in scope.	Replace Flexible Inspection Scope™	

		when scope		• Decide if the	
		pointed at surface.		Scope is no	
				longer adequate	
				for use.	
				Recommendation	
				is when 10% of	
				the image or	
				illumination has	
				been degraded/	
				lost to replace	
				the scope.	
	No image or	No image or	Broken image	1.Press Power Cycle	
	distorted image	heavily distorted,	sensor and/or	button	
	C	cracked	internal cables.	2.Replace Flexible	
		appearance.		Inspection Scope [™] .	
	Overly bright	White-out type	Light intensity is	Cycle through light	
	image	reflection	too bright	intensity levels/settings	
	intage	Tenection	too ongin	2	
				until a clear image is	
		$\mathbf{D}^{\prime} \leftarrow 1^{\prime}$		obtained.	
	Blurry image or	Distorted image.	Debris or film on	Wipe off end of Flexible	
	overly bright	Light is often	lens.	Inspection Scope [™] with	
	image	reflective, and		non-Linting wipe.	
		image appears			
		brightly colored.			
	Image does not	When you click	The File Loc path	Set up a new Windows	
	capture	the Capture	may have	File Loc folder.	
	_	Button, the still	changed, or the		
		image or video is	folder names do		
		not captured.	not exist.		
	Rapidly takes	'Pictured	PC's internal	Disable the PC's internal	
	pictures	Captured' keeps	camera is	camera (See Advanced	
	automatically	flashing and	selected as the	Settings below).	
	automatically		video device is	Settings below).	
		Image files are			
		created rapidly.	Settings.		
Reassembly Instructions	N/A				
Packaging	N/A				
Sterilization	Do Not autoclave the				
	See the Chemical Compatibility Chart (PDF): Click here.				
	Low Temperature S				
	Ethylene Oxide (Eto)		0S System (Standard)	
	STERRAD [®] NX Sys	stem (Standard,	STERRAD [®] 10	0NX System (Standard)	
	Advanced)				
	STERIS® Liquid Ch	emical Sterilization	STERIS V-PRO	R Low Temperature	
	Systems Sterilization Sterilization Sterilization Systems (Non-Lumen Cycle)				
Storage	Storage and transport				
······································		nidity: 10 to 100% rh			
		nperature: -20 - to 60			
		0- to 900 hPa	\sim		
		mal Operation	00/ mb		
		nidity: Zero (0) to 10			
	o Ten	nperature: Five (5)- to	0 40 °C		
	1 70 1				
	1. If upon inspecting an item it is determined not to be clean, reprocess according to			ean, reprocess according to	
Additional Information			the Mfr.'s IFU.		
Additional Information	the Mfr.'s IF	U.			
Additional Information	the Mfr.'s IF 2. Facilities nee	U. ed to do a multidiscipl			
Additional Information	the Mfr.'s IF 2. Facilities nee requirement	U. ed to do a multidiscipl and frequency for clea	aning disinfection an	d sterilization. This	
Additional Information	the Mfr.'s IF 2. Facilities nee requirement	U. ed to do a multidiscipl	aning disinfection an	d sterilization. This	
Additional Information	the Mfr.'s IF 2. Facilities nee requirement	U. ed to do a multidiscipl and frequency for clea	aning disinfection an	d sterilization. This	
Additional Information Related Healthmark Products	the Mfr.'s IF 2. Facilities new requirement assessment s	U. ed to do a multidiscipl and frequency for clea	aning disinfection an	d sterilization. This	

Other Product Support	ProSys TM Brochure, ProSys TM Price List	
Documents		
Reference Documents	N/A	
Customer Service Contact	Healthmark Industries Company, Inc.	
	18600 Malyn Blvd.	
	Fraser, MI 48026	
	1-586-774-7600	
	healthmark@hmark.com	
	hmark.com	