



GT-58/28 Portable Disposable Endoscope

USER MANUAL

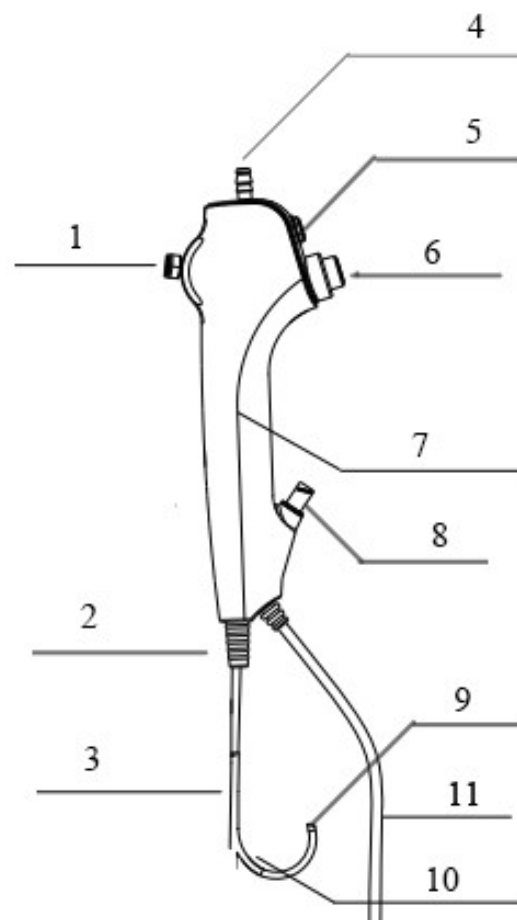


Product Description

Endoscope Type: soft tube

Operation Mode: push control lever

Structure Composition: The product consists of head end, bending part, insertion part, operation part, electrical connection and built-in LED source



1. Control lever: to control the bending part up or down
2. Protective cover: reduce the risk of breakage of the insertion tube
3. Insertion part & channel: the part that enters into the animal's body
4. Suction system port: connect suction device
5. Photo/Video button(under developing): press once to take photos, press and hold for 2 seconds to record videos. (Connecting to a computer or mobile phone requires manual operation to take photos and videos)



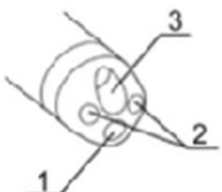
6. Suction button: to collect waster water and saliva from animal's mouth
7. Handle: part for holding
8. Instrument channel: insert instruments and forceps used with the endoscope and connect to the cleaning system
9. Head part: contains a camera module to take pictures, videos and transmit back electrical signals
10. Bending part: the bending direction and angle of the front bending part can be controlled by control lever
11. USB/HDMI cable: connect to computer/screen/mobile phone by USB or HDMI cable

Specifications:

Model	Insertion Tube Diameter	Field of View	Distal End Diameter	Observation Range	Instrument Channel	Bending Capability	Image Output
GT-58	Φ5.8mm	140°	2.6mm	3-100	650mm	180° up and down	USB to computer or mobile phone etc
GT-28	Φ2.8mm	120°	1.2mm	5-50			HDMI cable to image processor

GT-58 (USB output)

GT-28(HDMI output)

Optical System	Angle of Field	140°	120°
	Depth of Field	3-100mm	5-50mm
	Zoom diagram of Head end 1. lens 2. LEDs 3. channel outlet		
	Insert the outer Diameter of the Tube	5.8mm	2.8mm
	Insert tube inner diameter	2.6mm	1.2mm



	Active Length	650mm	
	Maximum Insert Portion Outer Diameter	≤6.2mm	≤3.2mm
Channel	Minimum Channel Inner Diameter	≤2.0mm	≤1.6mm
Bending Section	Angle Range	180° up and down	
LED	Photochromic	white light The power supply voltage is DC 5V	
Light Source	Correlated Colour Temperature	≥3000K	
	Total Optical Flux Output	0.8 lm	
	Red Light Flux Ratio	0.65	
	Blu-ray Flux Ratio	1.3	

[Storage Environment]

Storage conditions: -20°C ~ 55°C, Relative humidity: 30%~75%

[Usage Method]

Working Condition

- A) Environment Temperature: 10°C~ 40°C
- B) Relative Humidity: 80%, no condensation
- C) Atmospheric Pressure: 700 hPa ~ 1060 hPa
- D) Power Supply: DC 5V

Operation

1. Hold the handle of the endoscope with one hand first
2. Use the push rod with thumb



3. Hold the insert part with the other hand
4. While observing the endoscopic image, insert the end of the inner lens into the animal's body, slowly control the push lever, and guide the head end for insertion and observation

Warning

- After the endoscope is connected, do not point the lens to the human eye, and the lighting light may cause eye damage.
- Visual and functional inspection must be performed before use. If any of the unqualified in the inspection, do not use this product.
- Excessive force shall not be used when operating this product.
- In case of any abnormality during the surgical operation of the product, stop the operation immediately and carefully remove from the animal according to the operation instructions for removing the product.
- Be sure to view the real-time endoscope image on the monitor when advancing or pulling out the product and when operating the bend part.

Attention

- Be sure to read and understand all packaging information, including warnings, precautions, and instructions for use before the first use.
- When using the sharp accessories, be careful to do not damage the tube or head part.
- Be careful during handling the tip of the tube to prevent its collision with other objects, otherwise it may damage the equipment. The lens surface at the tip may be broken and may cause image distortion.
- Do not exert excessive force on the bending part, otherwise it may cause equipment damage. Examples of an unreasonable disposition of the bend portion include:
 - Manual distortion
 - Continue in any case of resistance felt during the operation

Declaration

- Keep appropriate spare endoscope ready for immediate use to ensure that treatment can continue in the event of equipment failure
- MEDITECH is not responsible for any damage or injury caused by the improper use of the product or the patient animals