

EVIS EUS

EVIS EUS Ultrasound Gastrointestinal Videoscope

GF-UE190

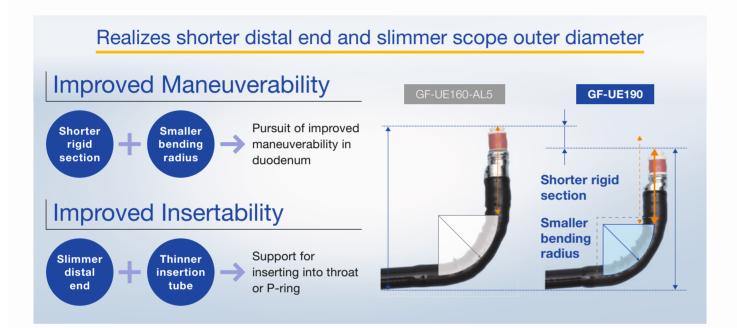
The Next Level in Ultrasound Endoscopy



Making A Difference in Radial EUS Scopes

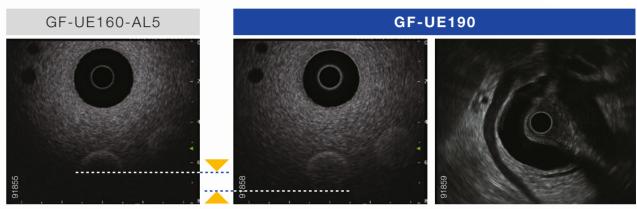
Improved Maneuverability and Insertability with Enhanced Ultrasound Image Quality

As the inventor of the first 360° electronic radial scanning EUS scope, Olympus has developed the new GF-UE190. With advanced features, GF-UE190 scope is a versatile instrument that offers improved image quality, greater safety and enhanced ease of use. Olympus continues to support more efficient EUS observation and diagnosis by improving maneuverability, insertability and usability.



Improved Ultrasound Image Quality to Support EUS Observation

With its increased penetration depth and higher resolution, the GF-UE190 scope provides improved ultrasound images. The oblique endoscopic view supports pancreaticobiliary exploration and allows close examinations of small lesions.



THE-P mode, phantom image comparison

Clinical image (THE-P mode)

Slim Insertion Tube



Easy Handling and Reprocessing

Distal End Design

D-Cut design allows easy removal of the balloon band, helping to prevent damage to the distal end. Straight balloon suction channel allows better access for reprocessing accessories.

Detachable Cable

Detachable ultrasound cable (MAJ-2056) for easier handling, reprocessing and storage.





EVIS EUS Endoscopic Ultrasound Center OLYMPUS EU-ME2 PREMIER PLUS



Detachable Cable MAJ-2056
Cable 1,500 mm

Specifications			
Endoscope Function			
Optical System	Field of view	100°	
	Direction of view	Forward oblique viewing 50°	
	Depth of field	3-100 mm	
Insertion Section	Distal end outer diameter	ø 13.4 mm	
	Distal end enlarged UP 1 2	1 Light guide lens2 Air/water nozzle3 Objective lens	
	7 6 5	4 Instrument channel outlet5 Ultrasound transducer6 Balloon aspiration port7 Balloon water feeding	
	DOWN	port	
	Insertion tube outer diameter	ø 10.9 mm	
	Insertion section working length	1,250 mm	
Instrument Channel	Channel inner diameter	ø 2.2 mm	
	Minimum visible distance ¹	5 mm	
	Direction from which EndoTherapy accessories enter and		
	exit the endoscopic image		
Airflow Rate ²		20 cm ³ /s	
Bending Section	Angulation range	UP 130° DOWN 90° RIGHT 90° LEFT 90°	
Total Length		1,563 mm	

Ultrasound Function		
Transducer Surface Maximum Temperature	<43°C	
Ultrasound Method	Electronic radial array	
Ultrasound Direction	Perpendicular to the insertion direction	
Frequency	5/6/7.5/10/12 MHz	
Scanning Range	360°	
Contact Method	Balloon method, sterile deaerated water immersion method	
Ultrasound Function with EU-ME1		
Operation Mode	B mode, FLOW mode (COLOR, POWER)	
Ultrasound Function with EU-ME2 Premier Plus, EU-ME2 Premier		
Operation Mode	B mode, FLOW mode (COLOR, POWER. H-FLOW), PW mode, THE mode, CH-EUS mode ³ , ELST mode	
Ultrasound Function with EU-ME2		
Operation Mode	B mode, FLOW mode (COLOR, POWER. H-FLOW), PW mode	
Ultrasound Function with ProSound F75		



Operation Mode

As medical knowledge is constantly growing, technical modifications or changes of the product design, product specifications and accessories may be required.

EVIS EUS ULTRASOUND GASTROINTESTINAL VIDEOSCOPE OLYMPUS GF-UE190

B mode, M mode, D mode, FLOW mode (COLOR, POWER, eFlow), THE mode, PW mode, CH-EUS mode³, ELST mode

 $[\]ensuremath{\mathsf{1}}$ Distance from the distal end of the endoscope.

² Standard when CLV-190 (high air pressure) is used.

³ This mode may not be available in some areas.