EUS EXERA ULTRASONIC GASTROVIDEOSCOPE

OLYMPUS GF TYPE UM160

With broadband scanning,

enhanced penetration depth, increased

resolution and improved maneuverability,

this scope brings the new era of

excellence in EUS into view
From The Layer Structure To Deeper Organs, The All-New HyperBand Transducer Makes Possible Ultrasound Imaging Over A Wider Range Than Ever Before

EUS EXERA ULTRASONIC GASTROVIEWSCOPE

OLYMPUS GF TYPE UM160

With features like an extended frequency range and a simplified control section, the innovative GF-UM160 offers the enhanced imaging performance and maneuverability you need to take full advantage of the potential of EUS.

Incorporating the newly developed HyperBand transducer with composite piezo material, the GF-UM160 offers broadband scanning from approximately 5 MHz to 20 MHz with increased penetration depth and higher resolution. This not only provides clear visualization of the layer structure, it offers a panoramic view that makes orientation much easier. Organs beyond the pancreas and gallbladder, including the liver and spleen, can be brought into view. At the same time, the size and weight of the scope’s control section have been reduced to about the size of an EVIS scope, making this scope more maneuverable.
With four frequency modes to choose from, the HyperBand transducer can be easily adjusted to suit the specific requirements of each case.

Olympus's leading-edge technology has enabled us to create a transducer made from composite piezo material incorporated in the tip of the GF-UM160, the new HyperBand transducer offers true broadband scanning ability with four frequency modes — C5, C7.5, C12, and C20. You can get ultrasound images from approximately 5 MHz to 20 MHz without switching scopes during an examination.

In the low frequency mode, deep organs can be visualized, making orientation easier, especially in the pancreatobiliary area. In the high frequency modes, fine details inside lesions or the gastrointestinal layer structure can be visualized.

By moving some of the functions previously incorporated in the control section to the connector, we were able to reduce the size and weight of the control section. The new configuration is similar to that of an EVIS scope. As a result, the GF-UM160 is very easy to maneuver and operator fatigue is minimized.

Up to three EVIS functions and three EUS functions can be assigned to the remote switches on the control section. Seven different EUS functions are available to assign to these switches.

Convenient design for easy handling, reprocessing and storing. The GF-UM160 has a simple, streamlined design that's easy to handle.

The ultrasonic cable can be detached from the scope to facilitate reprocessing. This also makes it easier to carry and store the scope.

Scope ID function facilitates data management. The EUS EXERA is fully compatible with the scope ID function of the EVIS EXERA 160 Series. Scope ID data — such as model name, serial number, etc. — are stored on the memory chip built into the GF-UM160. This information can be displayed on the monitor to facilitate data management.
With four frequency modes to choose from, the HyperBand transducer can be easily adjusted to suit the specific requirements of each case.

Olympus's leading-edge technology has enabled us to create a transducer made from composite piezo material. Incorporated in the tip of the GF-UM160, the new HyperBand transducer offers true broadband scanning capability with four frequency modes — C5, C7.5, C12 and C20. You can get ultrasound images from approximately 5MHz to 20MHz without switching scopes during an examination. Increased resolution and penetration depth improve image clarity across a wider range.

In the low frequency mode, deep organs can be visualized, making orientation easier, especially in the pancreatobiliary area. In the high frequency mode, fine details inside lesions or the gastrointestinal layer structure can be visualized.

Lighter and more compact, the redesigned control section makes it much easier to maneuver the scope.

By moving some of the functions previously incorporated in the control section to the connector, we were able to reduce the size and weight of the control section. The new configuration is similar to that of an EVIS scope. As a result, the GF-UM160 is very easy to maneuver and operator fatigue is minimized.

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Convenient design for easy handling, reprocessing and storing

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Scope ID function facilitates data management

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### GF-UM160 Specifications

<table>
<thead>
<tr>
<th>Endoscope functions</th>
<th>Optical system</th>
<th>Field of view</th>
<th>100°</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Direction of view</td>
<td>50° Forward Oblique</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Depth of field</td>
<td>3-100 mm</td>
<td></td>
</tr>
<tr>
<td>Insertion tube</td>
<td>Distal end outer diameter</td>
<td>ø12.7 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Insertion tube outer diameter</td>
<td>ø10.5 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Working length</td>
<td>1250 mm</td>
<td></td>
</tr>
<tr>
<td>Instrument channel</td>
<td>Channel inner diameter</td>
<td>ø2.2 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minimum visible distance</td>
<td>3 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Direction from which endo-therapy accessories enter and exit the endoscopic image</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bending section</td>
<td>Angulation range</td>
<td>UP130°, DOWN90°, RIGHT90°, LEFT90°</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total length</td>
<td>1560 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ultrasonic functions</th>
<th>Display mode</th>
<th>B-mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scanning method</td>
<td>Mechanical Radial Scanning</td>
<td></td>
</tr>
<tr>
<td>Scanning direction</td>
<td>Perpendicular to the insertion direction</td>
<td></td>
</tr>
<tr>
<td>Frequency mode (center frequency)</td>
<td>Selectable</td>
<td></td>
</tr>
<tr>
<td>Focusing point</td>
<td>20mm(C5, C7.5, C12), 23mm(C20)</td>
<td></td>
</tr>
<tr>
<td>Scanning range</td>
<td>360°</td>
<td></td>
</tr>
<tr>
<td>Contacting method</td>
<td>Balloon method, Sterile de-aerated water immersion method</td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of endoscope functions](https://via.placeholder.com/150)

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### Olympus business areas

- **Medical and health-care area**
- **Imaging and information area**
- **Industrial applications area**

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Olympus Optical Co. (EUROPA) GmbH.

Olympus KeyMed

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Olympus Hong Kong and China Limited

Olympus Beijing Representative Office

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