
Our new fiberoptic endoscope series comes with 30 years of experience and leadership in virtually every phase of optics, electronics and mechanics. The New Fujinon Z-Series fiberscopes offer you quick, easy and reliable performance for all your routine endoscopy procedures. Supported by Fujinon’s long and varied experience, you get the best balance of performance, dependability and economy.

Smooth, Quick, Responsive Tip Angulation
The tight bending radius and full angulation controls give you outstanding command of the distal tip during procedures. The wide angle view provides quick and accurate orientation.

Light-weight Type Eyepiece
By adopting a simple, light-weight eyepiece, the optimum handing balance has been achieved resulting in less discomfort for your patients, and less fatigue for you. Another benefit is increased economy for you.

Reliable, Durable Operation
Fiberoptics, wires, tubes, gears and all the other parts have been rigorously tested — in our labs and the real world — and precision assembled, under the direction of our engineers, by our professional production staff in our own manufacturing facilities. At every step, in every process, the driving force is a total commitment to quality.
Bright, Clear Image

With the newly arranged fiber optics, the large, clear image makes your examinations quicker and more efficient.

Optimal Flexibility

Scope flexibility has been carefully studied and selected for this important portion, which supports your examinations, permitting smoother, more efficient procedures with improved patient tolerance.
For the Upper G.I. Tract **FG-1Z**
Fiber-gastroscope for the upper G.I. tract with an outer diameter of 9.8mm and a standard forceps channel of 2.8mm in diameter. Excellent bending capability makes the observation of any part quicker and smoother. The scope is fully waterproof.

For the Upper G.I. Tract **FG-1ZP**
This is thinner Upper G.I. fiberscope in Fujinon Z series with its outer diameter of 7.8mm. Designed for upper G.I. tract use, it is of particular use in children, or in any patient in whom stenosis is present in the pharynx or esophagus.

For the Duodenum **FD-1Z**
Designed for ERBD and EST procedures, the FD-1Z therapeutic duodenoscope is well equipped with a large, 3.7mm forceps channel. All within very maneuverable 12.6mm outside diameter. The lateral field of view is 80° and the retro view is 10° with clear image, you can gain immediate advantage in orienting the scope to obtain frontal views of the duodenal papilla.

For the Lower G.I. Tract **FC-1Z/1ZM**
Fiber-colonoscope for the lower G.I tract with a standard forceps channel of 3.2mm with an enough working length of 1,660mm (1ZM=1,330mm). Thanks to the graduated rigidity of the insertion portion, this scope is extremely easy to insert; the tip enters smoothly and proceeds as far as the ileocecal area. The scope is fully waterproof.

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### FIBERSCOPE SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>FG-1Z</th>
<th>FG-1ZP</th>
<th>FD-1Z</th>
<th>FC-1Z/1ZM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Viewing direction</strong></td>
<td>Forward</td>
<td>Forward</td>
<td>Lateral (10° rearward)</td>
<td>Forward</td>
</tr>
<tr>
<td><strong>Observation range</strong></td>
<td>3 ~ 100mm</td>
<td>3 ~ 100mm</td>
<td>2 ~ 80mm</td>
<td>3 ~ 100mm</td>
</tr>
<tr>
<td><strong>Field of view</strong></td>
<td>105°</td>
<td>105°</td>
<td>80°</td>
<td>120°</td>
</tr>
<tr>
<td><strong>Distal end diameter</strong></td>
<td>9.5mm</td>
<td>7.8mm</td>
<td>12.6mm</td>
<td>13.0mm</td>
</tr>
<tr>
<td><strong>Flexible portion diameter</strong></td>
<td>9.8mm</td>
<td>7.9mm</td>
<td>12.1mm</td>
<td></td>
</tr>
<tr>
<td><strong>Bending capability</strong></td>
<td>210°</td>
<td>210°</td>
<td>130°</td>
<td>180°</td>
</tr>
<tr>
<td><strong>Down</strong></td>
<td>90°</td>
<td>90°</td>
<td>90°</td>
<td>160°</td>
</tr>
<tr>
<td><strong>Left</strong></td>
<td>100°</td>
<td>100°</td>
<td>90°</td>
<td>110°</td>
</tr>
<tr>
<td><strong>Right</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Forceps channel diameter</strong></td>
<td>2.8mm</td>
<td>2.2mm</td>
<td>3.7mm</td>
<td>3.2mm</td>
</tr>
<tr>
<td><strong>Working length</strong></td>
<td>1,030mm</td>
<td>1,030mm</td>
<td>1,290mm</td>
<td>1,660mm/1,330mm</td>
</tr>
<tr>
<td><strong>Total length</strong></td>
<td>1,350mm</td>
<td>1,350mm</td>
<td>1,610mm</td>
<td>1,980mm/1,650mm</td>
</tr>
</tbody>
</table>
Light source

**PS2-HP**

This sturdy, reliable light source is designed for its portability. A single 150 watt halogen lamp, whose light intensity is manually controlled, is used. An air pump, for insufflation, is incorporated, and an on/off switch is provided for procedures which do not require it.

**Specifications**
- **Power supply**: AC 117V/230V
- **Frequency**: 50/60Hz
- **Bulb used**: 15V, 150W halogen bulb, gold mirror
- **Dimensions**: 195 x 350 x 215mm
- **Weight**: 8.6kg

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**Z Series Systems**

- **Water tank (WT-2)**
- **Disposable forceps valve (FOV-DV1, 10 pieces / 1 pack)**
- **Mouthpiece (standard type MPC-ST, except for colonoscope)**
- **Air leakage tester (LT-7)**
- **Lens cleaner (SLC-1)**
- **Silicon oil (SLC-2000)**
- **CA-300 (Channel cleaning adaptor)**

**FIBERSCOPES**
- For the Upper G.I. Tract FG-1Z/ZP
- For the Duodenum FD-1Z
- For the Lower G.I. Tract FC-1Z

**Surgical Units**
- **Light Source PS2-HP**
- **System Cart**

**Standard Accessories**
- **Mouthpiece (MPC-ST)** *(MPC-ST is not included in FC-1Z)*
- **Eyepiece cap**
- **Lens Cleaner (SLC-1)**
- **Silicone Oil (SLC-2000)**
- **S connector cap (CAP-E)**
- **Protective Cap (Suction, A/W Ventilation Connector)**
- **Ventilation Adapter (AD-7)**
- **Forceps Valve (10 pieces / 1 pack)**
- **Cleaning Adapter (CA-300)**
- **Biopsy Forceps**
- **Cleaning Brush**
Due to a continuous process of product improvement, specifications are subject to change without notice.