The KARL STORZ SILVER SCOPE® Series

The KARL STORZ SILVER SCOPE® series offers three variants that cover the most common applications in the upper gastrointestinal tract:

Firstly, the standard gastroscope for the daily routine; secondly, the medium gastroscope with a greatly reduced outer diameter for routine examinations as well as stenoses and pediatric use; thirdly, an interventional dual-channel gastroscope for more demanding interventions, heavy bleeding and emergency gastroscopy.

The innovative duodenoscope has been enhanced with regard to hygiene aspects and now includes a sterile single-use Albarran module (HYDOME® system).

In the field of colonoscopy, KARL STORZ offers a selection of lengths – from the 40 cm rectoscope to the sigmoidoscope and standard lengths. The graduated rigidity and progressive insertion characteristics of the colonoscope insertion tube ensure optimal advancement.

All endoscopes of the SILVER SCOPE® series offer the following features:

- Three innovative visualization technologies for easy tissue differentiation:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA*: Spectral color shift and color exchange
- Homogeneous image brightness
- LED illumination and air or CO₂ insufflation included with the CO₂MBI® LED light source
- Nine functions on three individually programmable function keys
- Deflection up to 210° with a small bending radius for gastrosopes as well as colonoscopes
- Full upward and downward compatibility with KARL STORZ video processors and light sources
- The modular system of the IMAGE1 S™ platform allows interdisciplinary work

*SPECTRA: Not for sale in the U.S.
SILVER SCOPE® Gastroscopes

The flexible routine gastroscope

- The routine gastroscope is a reliable instrument for everyday use in gastroenterology. The 2.8 mm working channel allows the use of all corresponding instruments for diagnosis and intervention.
- Excellent deflection up to 210°

The medium gastroscope for standard and pediatric use and in case of stenosis

- Elegant 7.8 mm outer diameter with 2.8 mm working channel
- Excellent deflection up to 210°
13821PKSK/NKSK  
**Flexible Video Gastroscope**  
Routine Gastroscope  
- Sheath outer diameter: 9.3 mm  
- Working channel diameter: 2.8 mm  
- Max. deflection up/down: 210°/100°  
- Max. deflection left/right: 120°/120°  
- Working length: 1100 mm  
- Direction of view: 0°

13823PKSK/NKSK  
**Flexible Video Gastroscope, with reduced outer diameter**  
Medium Gastroscope  
- Sheath outer diameter: 7.8 mm  
- Working channel diameter: 2.8 mm  
- Max. deflection up/down: 210°/100°  
- Max. deflection left/right: 120°/120°  
- Working length: 1100 mm  
- Direction of view: 0°

To clean endoscopes 13821PKSK/NKSK and 13823PKSK/NKSK, the following brush is recommended:  
110951-50*  
**Cleaning Brush**, with double-sided brush, length 165 cm, brush diameter 3.2 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2.6-3 mm

To clean the suction channel in the insertion tube, the following brush is recommended:  
110961-50*  
**Cleaning Brush**, with double-sided brush, length 190 cm, brush diameter 4.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 3.2-4.2 mm

To clean valves, the following brush is recommended:  
110922-100*  
**Valve Brush**, double-sided, brush diameters 10 mm and 5 mm, brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat, unsterile, for single use, package of 100, for use with flexible endoscopes

*Further flexible, sterile instruments for single use can be found in our brochure. Please scan the QR code or enter the short URL in your browser: https://go.karlstorz.com/HL-GE-single-use
Interventional Gastroscopy with Two Working/Suction Channels

- For interventional and emergency gastroscopy
- Two working channels, 2.8 mm and 3.8 mm in diameter
- Additional water jet channel that is accessible for brush cleaning
- Complex procedures can be performed with two instruments simultaneously and simultaneous suction through both channels is possible
Interventional Gastroscope with Double Channel

Sheath outer diameter: 12 mm
Working channel diameter: 3.8 mm and 2.8 mm
Max. deflection up/down: 210°/100°
Max. deflection left/right: 120°/120°
Working length: 1100 mm
Direction of view: 0°

The following brushes are recommended for cleaning the Interventional Gastroscope 13826PKSK/NKSK:

110961-50* Cleaning Brush, with double-sided brush, length 190 cm, brush diameter 4.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 3.2-4.2 mm

110951-50* Cleaning Brush, with double-sided brush, length 165 cm, brush diameter 3.2 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2.6-3 mm

The following brushes are recommended for brushing the water jet channel of the Interventional Gastroscope 13826PKSK/NKSK

110920-10* Biofilm Removal Device Cleaning Brush, flocked, length 200 cm, unsterile, for single use, package of 10, for use with flexible endoscopes with a working channel diameter of 1.2 mm

110932-50* Cleaning Brush, length 200 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 1.2-1.5 mm

To clean valves, the following brush is recommended:

110922-100* Valve Brush, double-sided, brush diameters 10 mm and 5 mm, brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat, unsterile, for single use, package of 100, for use with flexible endoscopes

Further products can be found on the KARL STORZ website.

Further flexible, sterile instruments for single use can be found in our brochure. Please scan the QR code or enter the short URL in your browser: https://go.karlstorz.com/HL-GE-single-use
The Innovative HyDOME® Duodenoscopy System: The Answer to Therapeutic and Hygiene Challenges

- The HYDOME® system with the sterile single-use Albarran module makes it easy to maintain hygiene standards in ERCP
- Positioning of the HYDOME® Albarran module with just one click
- The combination of an Albarran channel that is easily accessible for cleaning with brushes and the sterile Albarran module makes this system unique
- Neither the Albarran lever nor the pull wire pose a risk of cross-contamination
13885PKSK/NKSK Flexible Video Duodenoscope  
Duodenoscope  
Sheath outer diameter: 12.6 mm  
Working channel diameter: 4.2 mm  
Max. deflection up/down: 120°/90°  
Max. deflection left/right: 90°/110°  
Working length: 1260 mm  
Direction of view: 5° retro

110980-05* HYDOME® Albarran Module, sterile, for single use, package of 5, for use with SILVER SCOPE® Duodenoscopes 13885PKS/NKS

The following brushes are recommended for cleaning the duodenoscope  

110961-50* Cleaning Brush, with double-sided brush, length 190 cm, brush diameter 4.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 3.2-4.2 mm

110920-10* Biofilm Removal Device Cleaning Brush, flocked, length 200 cm, unsterile, for single use, package of 10, for use with flexible endoscopes with a working channel diameter of 1.2 mm

110932-50* Cleaning Brush, length 200 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 1.2-1.5 mm

To clean valves, the following brush is recommended:  

110922-100* Valve Brush, double-sided, brush diameters 10 mm and 5 mm, brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat, unsterile, for single use, package of 100, for use with flexible endoscopes

Further flexible, sterile instruments for single use can be found in our brochure. Please scan the QR code or enter the short URL in your browser: https://go.karlstorz.com/HL-GE-single-use
SILVER SCOPE® Colonoscopes

- Available in five working lengths from 800 mm to 1600 mm
- Excellent deflection up to 210°
- Different outer diameters of the insertion sheath combined with different working channel sizes with or without additional water jet channel
- Possible to clean water jet channel with a brush
### Sheath outer diameter | Working channel diameter | Max. deflection up/down | Max. deflection left/right | Working length | Direction of view
---|---|---|---|---|---
13924PKSK/NKSK Flexible Video Colonoscope | 12.9 mm | 3.8 mm | 180°/180° | 160°/160° | 1400 mm | 0°
13925PKSK/NKSK Routine Colonoscope with Water Jet Channel | 12.9 mm | 3.8 mm | 180°/180° | 160°/160° | 1600 mm | 0°
13920PKSK/NKSK Sigmoidoscope with Water Jet Channel | 11.2 mm | 3.4 mm | 210°/180° | 160°/160° | 800 mm | 0°
13926PKSK/NKSK Slim Colonoscope with Water Jet Channel | 11.2 mm | 3.4 mm | 210°/180° | 160°/160° | 1330 mm | 0°
13927PKSK/NKSK Slim Colonoscope with Water Jet Channel | 11.2 mm | 3.4 mm | 210°/180° | 160°/160° | 1530 mm | 0°

The following brushes are recommended for cleaning the slim colonoscopes and the sigmoidoscope:

110962-50* Cleaning Brush, with double-sided brush, length 230 cm, brush diameter 4.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 3.2-4.2 mm

110920-10* Biofilm Removal Device Cleaning Brush, flocked, length 200 cm, unsterile, for single use, package of 10, for use with flexible endoscopes with a working channel diameter of 1.2 mm

110932-50* Cleaning Brush, length 200 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 1.2-1.5 mm

To clean valves, the following brush is recommended:

110922-100* Valve Brush, double-sided, brush diameters 10 mm and 5 mm, brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat, unsterile, for single use, package of 100, for use with flexible endoscopes

Further products can be found on the KARL STORZ website.

*Further flexible, sterile instruments for single use can be found in our brochure. Please scan the QR code or enter the short URL in your browser: https://go.karlstorz.com/HL-GE-single-use
KARL STORZ TROIDL SILVER SCOPE® Flexible Rectoscope

The flexible TROIDL SILVER SCOPE® rectoscope enhances the field of rectoscopy with the benefits and possibilities of flexible videoendoscopy.

Special Features:

- Working length of 40 cm ensures easy handling
- Up to 210° inversion improves visualization and, consequently, diagnostic and therapeutic options thanks to forward and retrograde viewing
- Field of application especially suited for surgical conditions and procedures in the rectal area
- Fatigue-free work thanks to ergonomically shaped control unit
- Possibility to combine rigid and flexible endoscopy thanks to modular IMAGE1 S™ camera platform
13912PKSK/NKSK
TROIDL Rectoscope,
Sheath outer diameter: 11.8 mm
Working channel diameter: 3.4 mm
Max. deflection up/down: 210°/100°
Max. deflection left/right: 120°/120°
Working length: 400 mm
Direction of view: 0°

The following brush is recommended for cleaning the rectoscope

110961-50* Cleaning Brush, with double-sided brush, length 190 cm,
brush diameter 4.5 mm, unsterile, for single use, package of 50,
for use with flexible endoscopes with working channel diameters 3.2-4.2 mm

To clean valves, the following brush is recommended:

110922-100* Valve Brush, double-sided, brush diameters 10 mm and 5 mm,
brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat,
unsterile, for single use, package of 100, for use with flexible endoscopes

Further products can be found on the KARL STORZ website.
IMAGE1 S™ – As Individual as your Requirements

IMAGE1 S™ is the core technology of the KARL STORZ gastroenterology system: Efficient, innovative and brilliant. Through color adjustments, the image quality has been tailored to the special needs in gastroenterology. Combining the camera and light source via the KARL STORZ Communication Bus (SCB) guarantees consistent, optimal illumination of both deep spaces and the near range.

- Modular system for both flexible and rigid endoscopy
- Three innovative visualization technologies for easy tissue differentiation:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA*: Spectral color shift and color exchange
- Side-by-side view allows real-time comparison of the white light image and visualization modes
- Automatic light source control
- Multiple source management: Simultaneous control, display, documentation of image information from two connected image sources (e.g., for hybrid interventions)

* SPECTRA: Not for sale in the U.S.
The following components are recommended for use with the IMAGE1 S™ system in gastroenterology

TC200EN*  IMAGE1 S CONNECT®, connect module, for use with up to 3 link modules, resolution 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100-120 VAC/200-240 VAC, 50/60 Hz

TC301  IMAGE1 S™ X-LINK, link module, for use with flexible video endoscopes and one-chip camera heads (up to FULL HD), power supply 100-120 VAC/200-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC200EN

TC013  IMAGE1 S™ Video Endoscope Adaptor 90°, color systems PAL/NTSC, angled 90°, length 50 cm, for use with IMAGE1 S™ X-LINK TC301

TC009  USB Adaptor, for ACC 1 and ACC 2, for use in conjunction with IMAGE1 S CONNECT® and AIDA® HD

For use with the aforementioned video gastrosopes, video colonoscopes and the video duodenoscope.

* Also available in the following languages: DE, ES, FR, IT, PT, RU
CO₂mbi® LED Cold Light Fountain

- Two-in-one solution combines an LED light source and air/CO₂ insufflator in one unit
- Long LED module service life provides significant cost reductions
- Light intensity adjustable manually or automatically (depending on the distance to mucosa)
- Optimal light yield with high-efficiency LED
- CO₂ insufflation for greater patient comfort
- Choice of three insufflation modes: 100% CO₂ mode, regular room air, air/CO₂ mode
- Integrated pump with two power levels for rapid insufflation
- Display with interactive icons
- Touch screen can also be controlled with wet gloves
The following components are recommended for use with CO₂MBI® LED

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Length</th>
<th>Connection Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL100S1 Cold Light Fountain CO₂MBI® LED SCB</td>
<td>with high-performance LED, integrated KARL STORZ-SCB and integrated insufflation pump for air and CO₂ insufflation, for use with KARL STORZ video endoscopes, power supply 100-240 VAC, 50/60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigation Bottle Holder</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holding Ring</td>
<td>for water bottles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Bottle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigation Adaptor</td>
<td>for water bottles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCB Connecting Cable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal Wrench</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

For CO₂ supply, one of the following tubes must be selected

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Connection Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>20400021</td>
<td>CO₂ High Pressure Tube, American connection/German connection</td>
<td>55 cm</td>
<td></td>
</tr>
<tr>
<td>20400027</td>
<td>CO₂ High Pressure Tube, American connection/German connection</td>
<td>102 cm</td>
<td></td>
</tr>
<tr>
<td>20400022</td>
<td>CO₂ High Pressure Tube, American connection/Pin-Index connection</td>
<td>55 cm</td>
<td></td>
</tr>
<tr>
<td>20400028</td>
<td>CO₂ High Pressure Tube, American connection/Pin-Index connection</td>
<td>102 cm</td>
<td></td>
</tr>
<tr>
<td>20400222</td>
<td>CO₂ High Pressure Tube, American connection/ISO connection</td>
<td>102 cm</td>
<td></td>
</tr>
<tr>
<td>UI001</td>
<td>Low Pressure Tube, for the central CO₂ gas supply</td>
<td>150 cm</td>
<td></td>
</tr>
<tr>
<td>UI002</td>
<td>Low Pressure Tube, for the central CO₂ gas supply</td>
<td>300 cm</td>
<td></td>
</tr>
<tr>
<td>UI003</td>
<td>Low Pressure Tube, for the central CO₂ gas supply</td>
<td>600 cm</td>
<td></td>
</tr>
</tbody>
</table>

For use with the aforementioned video gastroscopes, video colonoscopes and the video duodenoscope.
TELE PACK X GI

- Portable all-in-one system combines a monitor, video processor, LED light source, documentation unit and insufflation pump in one unit
- The high level of integration provides flexibility and independence
- For use in the emergency room, intensive care unit and outpatient settings, e.g., in nursing homes/rehab
- Compatible with all current KARL STORZ SILVER SCOPE® endoscopes
- A light cable adaptor allows the unit to be used with rigid endoscopes
- Network function can be integrated as a software update in all inventory systems
The following components are recommended for use with the TELE PACK X GI in gastroenterology

TP200EN*  TELE PACK X GI, endoscopic video unit for use with all KARL STORZ TELECAM one-chip camera heads and video endoscopes, with integrated insufflation pump, incl. LED light source similar to Xenon technology, with integrated digital Image Processing Module, 15” LCD TFT monitor with LED backlight, USB/SD memory module, color systems PAL/NTSC, power supply 100-240 VAC, 50/60 Hz including:
Water Bottle
Irrigation Adaptor, for water bottle
USB Silicone Keyboard, with touchpad, US-English character set
USB Flash Drive, 32 GB
SD Card, 32 GB
Mains Cord, length 300 cm

20213070  Video Connecting Cable, for use between KARL STORZ video endoscopes and TELECAM camera control units or TELE PACK video units

For use with the aforementioned video gastroscopes, video colonoscopes and the video duodenoscope.

* Also available in the following languages: DE, ES, FR, IT, PT, RU
AUTOCON® III 400

Innovative, Intelligent, Intuitive

With the third generation of the AUTOCON® family, KARL STORZ brings high frequency surgery to a new level. The high-end generator AUTOCON® III 400 is designed for use with both bipolar and unipolar instruments. Thanks to the special mode optimized for bipolar ROBI® and resection instruments from KARL STORZ, the power output is harmonized with instrument properties and tissue applications for optimal performance.

Benefits at a glance:

- Good hygiene conditions thanks to smooth touch screen surfaces
- User comfort thanks to high-resolution touch display
- Interdisciplinary use with individually adjustable procedures
- Particularly suitable for bipolar techniques
- Can be combined with S-PILOT® to control smoke evacuation
UH400E  AUTOCON® III 400 High-End, with CE certification, power supply 220-240 VAC, 50/60 Hz, including mains cord

HF connecting sockets unipolar:
2x 3-pin US type, 5 mm connector KARL STORZ/Erbe VIO
2x 4 mm connector (via footswitch), BOVIE (footswitch)

HF connecting sockets bipolar:
2x 2-pin US type (28.58), 3x KARL STORZ/Erbe VIO

Connecting Socket:
Neutral Electrode 2-pole
Can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU300.

System requirements:
SCB RUI Software Release 20090001-46 or higher.

UH400E  AUTOCON® III 400 High-End, without CE certification

UH400UE  AUTOCON® III 400 High-End, with CE certification, power supply 100-127 VAC, 50/60 Hz, including mains cord

HF connecting sockets unipolar:
2x 3-pin US type, 5 mm connector KARL STORZ/Erbe VIO,
2x 4 mm connector (via footswitch), BOVIE (footswitch)

HF connecting sockets bipolar:
2x 2-pin US type (28.58), 3x KARL STORZ/Erbe VIO

Connecting Socket:
Neutral Electrode 2-pole
Can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU300.

System requirements:
SCB RUI Software Release 20090001-46 or higher.

UH400UE  AUTOCON® III 400 High-End, without CE certification

UF902  Two-Pedal HF Footswitch, with button for switchover function, for use with HF generators

UF901  One-Pedal Footswitch, with button for switchover function, for use with HF generators

26176LE  Bipolar High Frequency Cord, length 300 cm, for use with AUTOCON® III 300/400, AUTOCON® II 400 SCB series (111, 113, 115, 122, 125), AUTOCON® II 200, AUTOCON® II 80, Coagulator 26021B/C/D, 860021B/C/D, 27810B/C/D, 28810B/C/D, AUTOCON® series (50, 200, 350), Erbe coagulator, T and ICC series

26801  Bipolar High Frequency Cord, length 400 cm, for KARL STORZ AUTOCON® III 400 SCB, for use with KARL STORZ bipolar resectoscopes

27805  Neutral Electrode, made of conductive silicone, with 2 rubber ties for fastening

27806UR  Neutral Electrode Connecting Cable, for neutral electrode

27802  Neutral Electrode, contact surface divided into two, A = 169 cm², for single use, package of 50

27806US  Neutral Electrode Connecting Cable, for Neutral Electrode 27802
It is recommended to check the suitability of the product for the intended procedure prior to use. Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.
Shaping the Future of Endoscopy with you