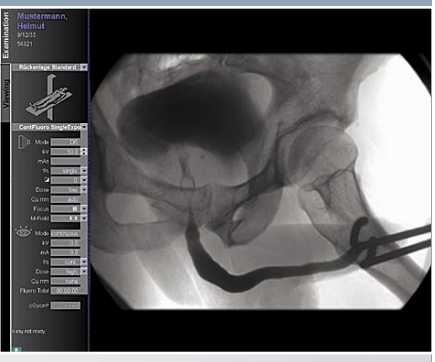
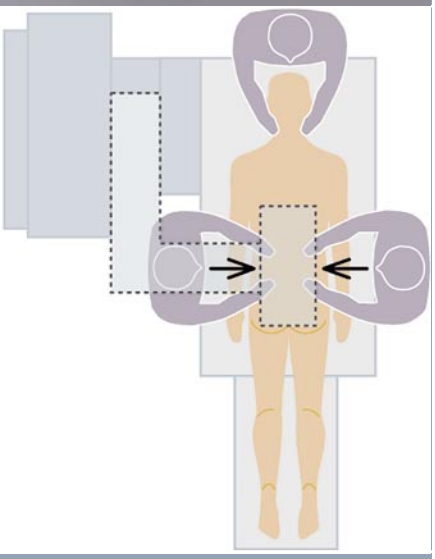




UROSKOP Access

X-ray System for Urological Diagnosis and Therapy

Technical data

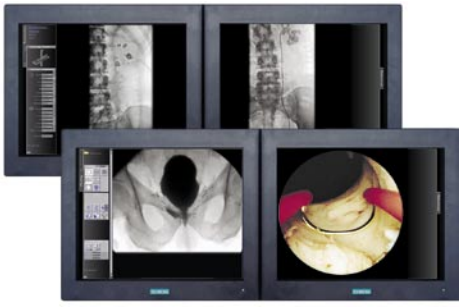
SIEMENS
medical

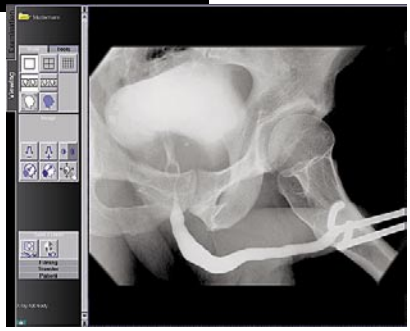
www.siemens.com/medical

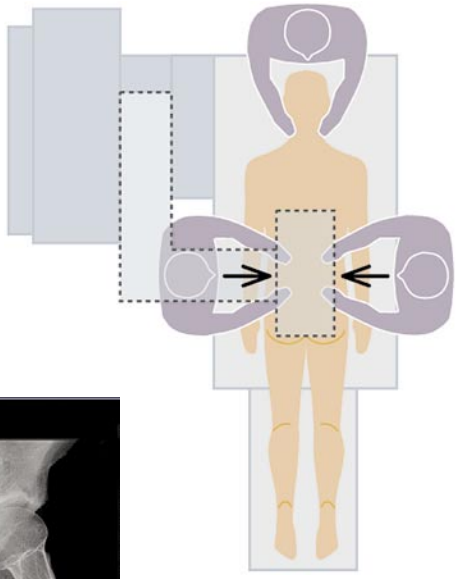
UROSKOP Access

X-ray System for Urological Diagnosis and Therapy

- UROSKOP Access is a dedicated system for urological X-ray diagnosis, therapy, endourology and minimally invasive surgery.
- The flexible system configuration, e. g. left-hand or right-hand version, allows the modular system design to be optimally adapted to your diagnostic and therapeutic requirements.
- UROSKOP Access offers unique symmetrical patient access from all sides of the table, providing optimal conditions for percutaneous interventions without the need for repositioning the patient.
- The unit-mounted articulated arm with two TFT color displays allows unrestricted, optimal positioning of the displays for virtually all urological interventions.
- In combination with endoscopy components, located on the integrated endoscopy shelf* in an ergonomical way, you can optionally display X-ray, endoscopy or ultrasound images with the Endo/US interface*.
- The rotatable micturition seat* and the special design of the UROSKOP Access tube support arm enable video-urodynamic examinations with unique patient comfort.
  The movable X-ray system allows patients to be seated in an extremely low position, with their feet touching the ground, during the entire examination.
- The PC-based imaging system of UROSKOP Access, with its DICOM 3 functions*, enables bidirectional image transfer within a PACS network similar to a workstation. It also allows the communication with a HIS/RIS system for transferring patient and examination data.







The angulated design of the tube support arm of UROSKOP Access offers truly symmetrical patient access from both sides of the table. This means that all patients are positioned in one orientation, independent of which side of the patient the procedure has to be performed. This eliminates the need to reposition the patient, leading to significant time savings.
UROSKOP Access yields a high potential in significantly optimizing the clinical workflow, allowing the anesthetist to remain in one clearly defined zone and minimizing the complexity in the daily routine.

* Option


SIEMENS
UROSKOP Access
SIEMENS

UROSKOP Access

Technical Data

Basic unit / table and tabletop
Flexible use and quick positioning
Lifting/ tilting base with cantilevered table and angulated tube support arm
Tube assembly/image intensifier system with longitudinal movement
Ergonomically repositionable tableside hand control unit
Optional right- or left-handed version of the basic unit
Micturition seat height approx. 50 cm (19.7”), movable X-ray system, resting patient

Table tilt	± 90°
Table height [1)]	86 cm (33.9”) to 122 cm (48”)
Tube assembly park position	32 cm (12.6”) (motorized)
Source-image distance (SID)	115 cm (45.3”)
Tabletop – film distance	6 cm (2.4”)
Tabletop – I.I. distance	13 cm (5.1”) (7 cm [1)] (2.8”))

Carbon-fiber tabletop with foam mattress set	
Longitudinal movement	+ 20 cm (7.9”) to – 50 cm (19.7”) (with standing patient)
Transverse movement	± 12.5 cm (4.9”)
Tabletop (L/W)	115 cm (45.3”) / 76 cm (29.9”)
Tabletop extensions	95 cm (37.4”) / 30 cm* (11.8”)
Table load	max. 272 kg (600 lbs)

X-ray generator
Microprocessor-controlled, high-frequency X-ray generator for radiography and fluoroscopy
Automatic X-ray control system for fully automatic calculation and optimization of exposure data based on fluoroscopy values
kV display and mAs post-display on the live image monitor
Preprogrammed or freely adjustable kV values
IONTOMAT integrated automatic exposure control

POLYDOROS SX 65	
Power rating	65 kW (650 mA at 100 kV/65 kW)
Exposure voltage	40 kV to 150 kV

POLYDOROS SX 80*	
Power rating	80 kW (800 mA at 100 kV/80 kW)
Exposure voltage	40 kV to 150 kV

* Optional

[1)] Without cassette carriage

X-ray tube assembly	
OPTITOP 150/40/80 HC-100	
Nominal voltage	150 kV
Nominal output	40/80 kW
Focal spot nominal value	0.6/1.0
Anode heat storage capacity	580 000 J (783 000 HU)
Anode drive	150/180 Hz

Collimator system	
Multileaf collimator	With square and iris diaphragms and three motor-driven Cu prefilters (0.1 mm, 0.2 mm, 0.3 mm), configurable in the user program and selectable at the collimator, display on the monitor and on the multileaf collimator (LCD)
Full-field light localizer	150 W halogen lamp, time switch, laser line light localizer (with cover)

CAREMAX* dose area product measurement unit	
Measurement chamber attachment	Ionization chamber integrated into the multileaf collimator
Measured value display	On the live image monitor
Measured values	Dose area product in $cGycm^2$

UROSKOP Access

Technical Data

X-ray image intensifier (I.I.)				
The high contrast and excellent modulation transfer characteristics allow the display of finest details				
Cesium iodide X-ray screen for high quantum absorption with minimal quantum noise				
Precision electron optics with minimal image distortion and consistent high resolution across the entire image field				
Anti-reflective coating at I.I. input and scattered light trap at I.I. output				
Four freely selectable semiconductor measurement fields for dose control (SDM); automatic size detection for format changes				
Collision protection at the I.I. housing				
DQE	≥ 65%			

SIRECON 40-4 HDR				
I.I. formats	40 cm (16”)	30 cm (12”)	22 cm (8.5”)	17 cm (6.5”)
Visual resolution				
Mean value (lp/mm)	4.2	4.8	5.6	6.6
Conversion factor	≥ 29 $(cd/m^2) \cdot (s/\mu Gy)$			
Contrast ratio	38 : 1 at 10% area			
Grid	PB 17/70, f_0 115			

Cassette exposure*	
Motor-driven cassette carriage for automatic spotfilming with a high-line grid and Iontomat automatic exposure control	
Cassette format	35 cm x 43 cm (14” x 17”) portrait

VIDEOMED DHC TV system	
VIDEOMED DHC	High-resolution television camera with maintenance-free 1K CCD sensor for digital fluoroscopy and radiography
Dynamics	Max. 66 dB signal-to-noise ratio
TV matrix	1024 x 1024 matrix
TV frame rate	Max. 25 f/s[2)]; with CAREVISION 12.5; 8; 3 pulses/s

CARE program	
CAREMATIC	Automatic X-ray control system for fully automatic calculation and optimization of the exposure data based on fluoroscopic values
CAREFILTER	Three-level adaptive Cu prefiltration for reducing the skin dose Selection controlled automatically according to the absorption of the patient Filter levels: 0.1; 0.2; 0.3 mm Cu
CAREVISION	Pulsed fluoroscopy with additional, reduced pulse frequencies of 3; 8; 12.5 p/s Adjustment of the pulse frequency to the respective requirements of the application for a significant reduction of radiation exposure, especially with interventional procedures
CAREPROFILE*	Radiation-free positioning of primary collimators through graphical display in the LIH image on the image monitor
CAREMAX*	Measurement chamber integrated into the collimator housing for measuring the dose area product and/or normalized skin entrance dose of the patient The dose area product is displayed on the imaging system monitor (Mandatory in some countries)

* Option

[2)] Matrix 1024 x 512

UROSKOP Access

Technical Data

Display ceiling suspension (DCS) in the examination room	
Spring-counterbalanced articulated arm mounted on the unit column with 2 x 17“ TFT color displays	
Suitable for full-frame display of endo/US/X-ray images on the reference image monitor (endo/US interface* required)	

17” (43 cm) TFT color display	
Image display	1280 x 1024
Maximum brightness, typical	280 cd/m²

Displays in the control room
19” (48 cm) TFT color display (standard)
18” (46 cm) TFT monochrome display (alternatively)
Second TFT display for reference image display*

19” (48 cm) TFT color display	
Image display	1280 x 1024
Maximum brightness, typical	280 cd/m²

18” (46 cm) TFT monochrome display	
Image display	1280 x 1024
Maximum brightness, typical	600 cd/m²

* Option

FLUOROSPOT Compact (FLC) digital fluoro radiography system	
Remote service function (integrated service software, Magic Watch)	
Storage of all examination data in a patient folder in the FLC	
Integrated help function	
Display of X-ray, endoscopic and ultrasound images* on the reference monitor	
Integrated Urodynamics interface* for exporting live X-ray images to a urodynamic measurement system or for connecting a video printer/recorder	
Integrated image quality tool	
Image acquisition system	Intel-compatible microprocessor with PCI bus architecture, min. 2 GHz, 768 MB RAM, SCSI drive and interface cards for the camera/X-ray system, based on Windows XP® operating system
Digital fluoroscopy	Continuous with 25 f/s (VIDEOMED DHC) 1024 x 512/10 bit matrix and digital filtration CAREVISION Pulsed fluoroscopy (1024 x 1024/10 bit matrix) Dose saving of up to 90% Pulse rates 12.5; 8 or 3 p/s Storage of fluoroscopic images Sliding weighted averaging
Digital radiography	1024 x 1024/10 bit matrix, digital filtration, single image and series exposures with 0.5 to 8 f/s
Automatic measuring field display	Predisplay of the selected measuring fields on the last fluoroscopic image
Image storage	15,000 images on hard disk in 1024 x 1024 matrix
Image display	Aspect ratio 5:4, corresponding to 1280 x 1024 matrix, 1024 x 1024 image content, flicker-free freeze frame with progressive scanning 72 Hz (TFT)
Image processing	Application-specific windowing for contrast/brightness, edge enhancement, 2-fold zoom (full size), 2-fold electronic magnifying glass (EMG), split screen (4/9/16/25/36-on-1), angle/distance measurement incl. calibration, black/white image inversion (grayscale inversion), electronic shuttering incl. 3 pre-defined window/filter values, roaming, vertical and horizontal image reversal, R/L marking, harmonization (DDO)*
Text/graphic functions	Text: Marking, annotation, image comment, R/L marking Graphic: Quantification with angle/distance measurement

UROSKOP Access

Technical Data

FLUOROSPOT Compact (FLC) digital fluoro radiography system	
Organ programs	The following can be configured: X-ray parameters kV automatic or fixed, dose, frame rate, frame rate reduction, tube focus, automatic prefiltration, fluoro program, ADC field position (SDM) Image processing parameters Window values, edge enhancement, black/white image inversion, harmonization factor* Automatic functions Auto window, auto shutter, auto Cu-filter
Background functionality	Image processing functions such as DICOM Send, DICOM Print, CD ROM writing etc. are performed in background mode
Integrated system operation	User programs with predefined parameter sets for fluoroscopy and radiography Integrated X-ray generator operation Monitor display for live and reference images Endo/ultrasound* interface for displaying endoscopy or ultrasound images on the reference color display Urodynamics interface* for exporting X-ray images to a urodynamic measurement system or for connecting a video printer/recorder
Patient directory	Input of patient data (e.g. patient name, patient ID, date of birth, study ID, accession number, physician, organ)
Patient search	Input via keyboard, directly via DICOM Worklist*, with barcode reader* or from the local patient data archive
Reference image display	In 1024 x 1024 matrix: storage and direct access to up to 16 reference images on the second monitor
Multimodality Viewing*	System-related display of multimodal images from pre-examinations in the control room
Fluoro loop*	Storage and display of dynamic fluoro sequences The maximum storable fluoro time depends on the pulse rate selected, e.g. 25 and 12.5 f/s approx. 20 s and 3 f/s approx. 85 s
Harmonization*	Digital Density Optimization (DDO) preprogrammed and/or post-processed to compensate for undesirable density differences in the exposure, degree of harmonization configurable in the organ program, also including online DDO for fluoroscopy
Security package* (HIPAA)	Advanced safety functions including user management and data access protection

* Option

DICOM 3 network interfaces for FLUOROSPOT Compact	
DICOM Send/St C (basic configuration)	Network interface in DICOM 3 standard for DICOM 3 compatible image transfer Feedback from the image archive (St C = Storage Commitment)
DICOM Query/Retrieve*	For retrieving images from a patient image archive (PACS)
DICOM Worklist/MPPS*	Get Worklist function for importing patient data from a data management system (RIS/HIS) Modality Performed Procedure Step (MPPS) for input of data relevant to the examination, e.g. sending examination statuses and dose information to a patient data management system
DICOM Print*	For connection to a laser camera or network printer

Documentation	
CD writer*	CD drive for automatic, digital image storage on a CD-ROM for offline data exchange in DICOM 3, TIFF and AVI formats, incl. DICOM Viewer
DICOM Print*	See DICOM 3 functions
Paper printer interface*	Suitable for image documentation on paper Prerequisite: PostScript Level 2 Formats: DIN A4, US Letter (For connection within network: network capability necessary) Note: Paper printer is not suitable for diagnostic purposes Only in connection with further documentation device

Operating data	
Power requirements	3/PE ~ 400 V (± 10%) at 50 or 60 Hz; 440/480 V (± 10%) possible using an optional line matching transformer Internal line resistance according to Planning Guide

Environmental conditions (operation)	
Temperature range	+ 15°C to + 35°C
Relative humidity	15% to 75%, non-condensing
Barometric pressure	700 hPa to 1060 hPa

UROSKOP Access

Technical Data

Options	
Imaging system and display	CAREPROFILE (radiation-free collimation) Multimodality Viewing Fluoro loop Harmonization HIPAA Security package (Health Insurance Portability and Accountability Act)
Data transfer and documentation	DICOM 3 functions: – DICOM Query/Retrieve – DICOM Worklist/MPPS – DICOM Print CD writer Printer (paper) Printer (film) Barcode reader
Dose measurement	CAREMAX integrated measurement chamber
Generator/unit	POLYDOROS SX 80
Accessories	Data printer (generator data) Remote control (control room) Foot switch (fluoroscopy / radiography) Multifunctional foot switch Multifunctional foot switch Advanced Endoscopy shelf Endoscopy / ultrasound / urodynamics interface Endoscopy / ultrasound interface Urodynamics interface Footboard Coxafix leg supports Pediatric leg supports (Coxafix) Amatech foot supports Amatech knee crutch stirrups Patient arm rest Shoulder supports Wrist restraints Infusion bottle holder Anesthesia screen holder Accessories cart Holder for tableside control unit Endo cable holder Holder for plastic drain bag Drain pan Micturition seat Tabletop extension 30 cm (11.8”) Radiation protection Monitor desk

UROSKOP Access

Accessories

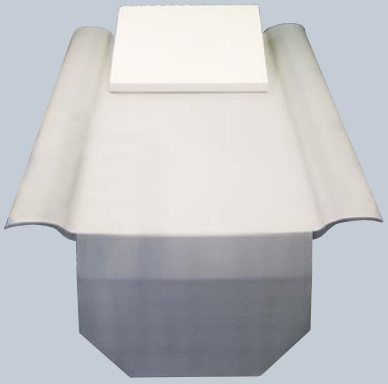
Standard accessories

Tabletop extension 95 cm (37.4“)

Extremely light-weight carbon-fiber tabletop extension with foam mattress, allowing flexible and comfortable positioning of the patient’s extremities (attaches to head and foot end, max. load 40 kg [90 lbs]).

Standard mattress set with head wedge

Heat-insulating foam mattress made of non-irritant, cleaning and spray-water resistant material with covered Velcro fastening and head wedge (supplied loose) for comfortable positioning of the patient.

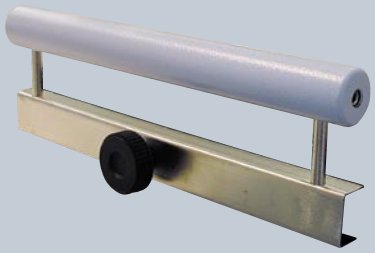


Elbow supports

Swiveling elbow supports at the perineal end of the tabletop, supporting the examiner’s elbows during transuretheral procedures.

UROSKOP Access

Accessories



Handgrip strip, lateral

Grip strip that attaches anywhere along the OR rails, allowing the patient to feel more secure.

Tableside control unit

Magnetically attachable tableside control for storing fluoroscopic images, calling up single images, scrolling forward and backward in the loaded image folders, for monitor split display on the reference monitor, unit movements, zoom stage selection, movement of the X-ray system and park position of the tube as well as activation of memory functions for the table position and multileaf collimator setting.

Control panel

Control panel in the control room with On/Off switch, Emergency Stop button and remote control of fluoroscopy/radiography. Prepared for magnetic attachment of the optional remote control and positioning on the wall with the optional wall holder (44 59 801).

Arm shield

Arm shield for patient safety that attaches anywhere along the accessory rails on the column side.

Accessories (optional)

Data printer (generator data) **# 44 59 306**

Fast and easy documentation for recordable fluoroscopic and radiographic data. If the CAREMAX dose measurement chamber is installed, the dose area product and the normalized skin entrance dose can also be printed out.

Self-adhesive labels for reordering **# 44 28 558**

Remote control **# 144 02 264**

Remote control which attaches magnetically to the control panel in the control room, with the same functions as the standard tableside control unit on the system, e.g. storage of fluoroscopic images, calling up single images or monitor split display on the reference monitor, scrolling forward and backward in the loaded image folders, unit movements, zoom stage selection, movement of the X-ray system, park position of the tube and activation of memory functions for the table position and multileaf collimator setting.

Multifunctional foot switch Advanced **# 144 04 737**

Ergonomic foot control for 8 table control functions:
lift, tilt, table longitudinal/transverse movement, rocker switch for X-ray system longitudinal movement, switchover between X-ray/endoscopic/ ultrasonic images, storage of the last fluoroscopic image (LIH) and rocker switch for fluoroscopy/ radiography.

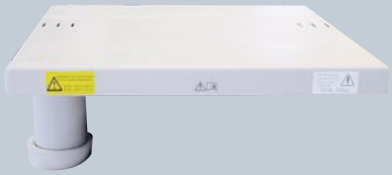
Multifunctional foot switch **# 44 59 546**

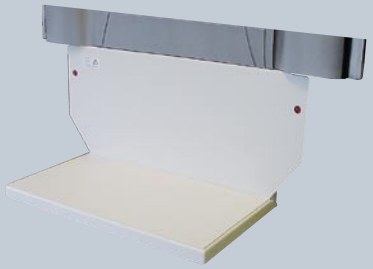
Ergonomic foot control for 8 table control functions:
lift, tilt, longitudinal/transverse, switchover between X-ray / endoscopic / ultrasonic images and rocker switch for fluoroscopy / radiography.

Foot switch (fluoroscopy / radiography) **# 44 59 538**

Basic foot switch for releasing fluoroscopy and radiography in the examination room.

Accessories





Accessories (optional)

Endoscopy shelf **# 44 59 595[3] / 44 40 454[4]**

Compact storage rack mounted on the unit column with integrated power supply for ergonomic positioning of endoscopy modules such as endo light source, endo camera or HF generator, video recorder, video printer.
Max. load capacity 50 kg (110 lbs) with limited mounting height of the modules.

Endoscopy / ultrasound / urodynamics interface **# 44 40 397**

Termination panel integrated in the unit with video inputs for displaying X-ray / endoscopic / ultrasonic images on the reference TFT color display, optional input for S-video or FBAS signal and a video signal output for the synchronous display of X-ray images on the monitor of a urodynamic measuring system. Connection with standard cable (BNC connector). Included in the scope of supply: Video signal converter integrated in the imaging system container, suitable for the connection of an optional video printer.

Endoscopy / ultrasound interface **# 44 59 777**

Termination panel integrated in the unit with video inputs for displaying X-ray / endoscopic / ultrasonic images on the reference TFT color display, optional input for S-video or FBAS signal. Connection with standard cable (BNC connector).

Urodynamics interface **# 44 59 785**

Termination panel integrated in the unit with video signal output for the synchronous display of X-ray images on the monitor of a urodynamic measuring system. Connection with standard cable (BNC connector). Included in the scope of supply: Video signal converter integrated in the imaging system container, suitable for the connection of an optional video printer.

Footboard **# 44 59 363**

The footboard can be attached to the tabletop at the head end and facilitates radiological exposures of standing patients from the bladder up to the kidney.
Max. load 180 kg (400 lbs).

[3] Left-hand version
[4] Right-hand version

Accessories (optional)

Coxafix leg supports # 44 59 389

The leg supports can be attached anywhere along the lateral OR rails with a quick-action lock. Continuous, gas spring assisted height adjustment with self-locking spindle, padded leg rests, lockable and swivelable in 3 directions for pressure-free positioning of the legs in the knee joint. Leg rest quick-action lock, suitable for use of the special pediatric leg rest.

Pediatric leg supports (Coxafix) # 44 59 611

For examinations of children, the adult leg rests of the Coxafix leg supports can be replaced by pediatric leg rests.

Amatech foot supports

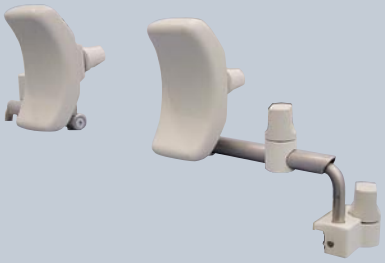
Amatech adjustable gas spring loaded foot supports. Attached with low profile siderail clamps.
Boot stirrups, Siemens customization, including clamps and boot pads.
Adjusts at side rail socket from low to high lithotomy.
The telescoping bar permits simple length adjustment while eliminating any protrusions beyond the boot. An offset support creates unrestricted access for the operative team. A limited motion ball socket at the base of the boot prevents unsafe inversion or eversion when the socket is loosened.
It may be left loosened to self-align during position changes and then locked in final position.

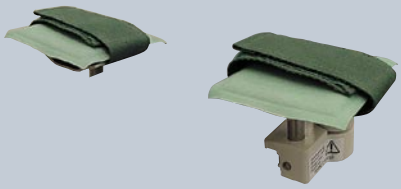
Amatech knee crutch stirrups

For easy attachment to the table rails.
The “Lift Assist“ neutralizes leg weight, allowing easy handling and adjustment of the leg position.
Knee crutch stirrups, Siemens customization, including clamps and crutch pads. Stirrups attach to the lateral OR rails.
Provides excellent patient comfort and precise surgical positioning for short duration procedures. Doughty soft pad reduces popliteral pressure.
One easy to use handle provides vertical adjustment from 40 cm (16”) to 52 cm (21”) and 360° horizontal rotation.
Velco strap for security.

UROSKOP Access

Accessories





Accessories (optional)

Patient arm rest **# 44 59 397**

The padded arm rest allows safe and comfortable positioning of the patient's left or right forearm. It can be attached and locked in place anywhere along the lateral OR rails.

Shoulder supports **# 44 59 421**

The shoulder supports allow safe and comfortable positioning of the patient in Trendelenburg positions. The padding can be adapted to the patient's anatomy. The shoulder supports attach anywhere along the lateral OR rails.

Wrist restraints **# 44 59 512**

The wrist restraints are attached to the OR rails and are used to restrain the patient's hands during an examination.

Infusion bottle holder **# 44 59 405**

The telescopic extendable infusion bottle holder can hold up to 4 infusion bottles and attaches anywhere along the OR rails of the table.

Accessories (optional)

Anesthesia screen holder # 44 59 413

The telescopic height-adjustable anesthesia screen holder allows the attachment of a sterile cover and mounts anywhere along the OR rails.

Accessories cart # 44 59 520

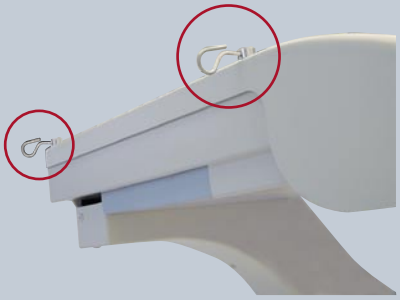
Mobile accessories cart with holders allowing the space-saving storage of standard accessory components of the UROSKOP Access (e.g. tabletop extensions, Coxafix leg supports, arm rest, footboard, micturition seat, infusion bottle holder, etc.).

Holder for tableside control unit # 44 59 355

Magnetic holding plate for the tableside control unit, attaches easily with one hand anywhere along the lateral OR rails.

Endo cable holder # 44 59 561

Holder mounted on the tube assembly support arm for easy routing of endoscopy cables during examinations.



Accessories

Accessories (optional)

Holder for plastic drain bag **# 44 59 488**

Flexible, tiltable spring band frame for use at the perineal table end, allowing easy attachment of a plastic drain bag with drain hose.

Urological PE drain bag (20 pcs) **# 44 59 496**

Pre-assembled plastic drain bags with apron, removable filter screen and expandable drain hose.

Drain pan **# 44 59 447**

Stainless-steel drain pan which can be hooked in at the perineal table end and moved laterally, with water supply and drain hose, including a park position holder.

Micturition seat **# 44 59 371[3] / 44 40 447[4]**

Weight-reduced, two-part, 90° rotatable micturition seat for examinations of the patient in a seated position. Optimized for a comfortable, low sitting height with the patient's feet on the floor during the entire examination, with moving X-ray system. Unobstructed space under the seat for urodynamic measuring equipment. The micturition seat attaches to the horizontal patient table, max. load 136 kg (300 lbs).

Tabletop extension 30 cm (11.8") **# 44 40 405**

Compact carbon-fiber tabletop extension with foam mattress, especially suitable for patient positioning during urodynamic examinations (attaches to head and foot end, max. load 136 kg [300 lbs]).

[3] Left-hand version
[4] Right-hand version

Accessories (optional)

Radiation protection

Ceiling-mounted, stationary radiation protection for UROSKOP Access
Consisting of:

- Stand for fixed-point installation
- Extension spring-loaded arm combination with centrally guided lead-acrylic glass plate, 50 x 40 cm (w x h), 0.5 mm lead equivalent

Radiation protection 46 cm

- For a room height of 250 cm to 280 cm
- Stand for fixed-point installation, 46 cm

Radiation protection 85 cm

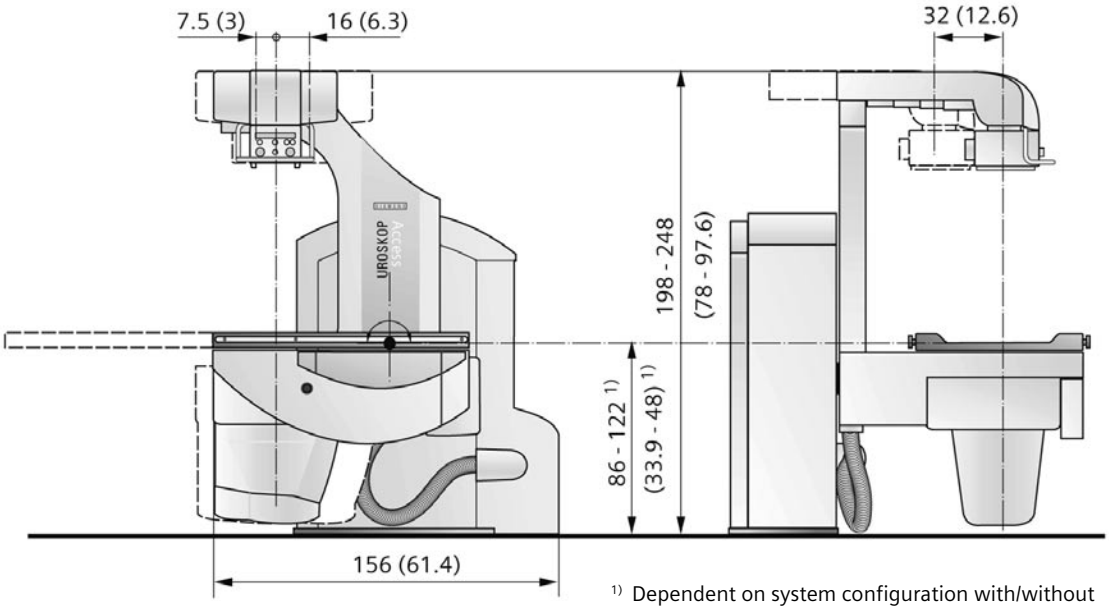
- For a room height of more than 280 cm
- Stand for fixed-point installation, 85 cm

Monitor desk # 44 59 553

Control room desk (height 72 cm, width 120 cm, depth 80 cm) which accommodates up to 2 monitors as well as keyboard, mouse and control panel (pictured with imaging system container).

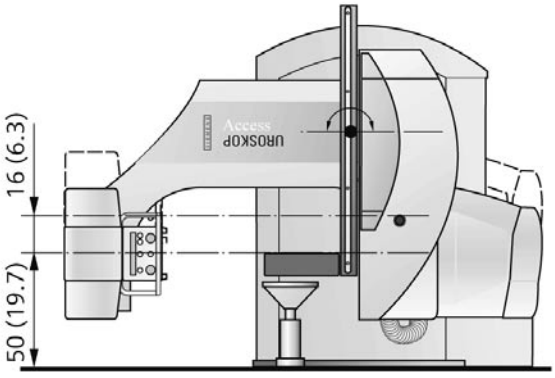
Technical Data

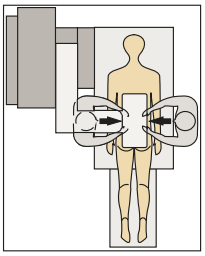
Dimensions in cm (inches)



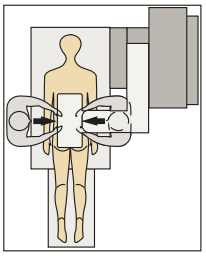
1) Dependent on system configuration with/without cassette carriage installation

Urodynamics position





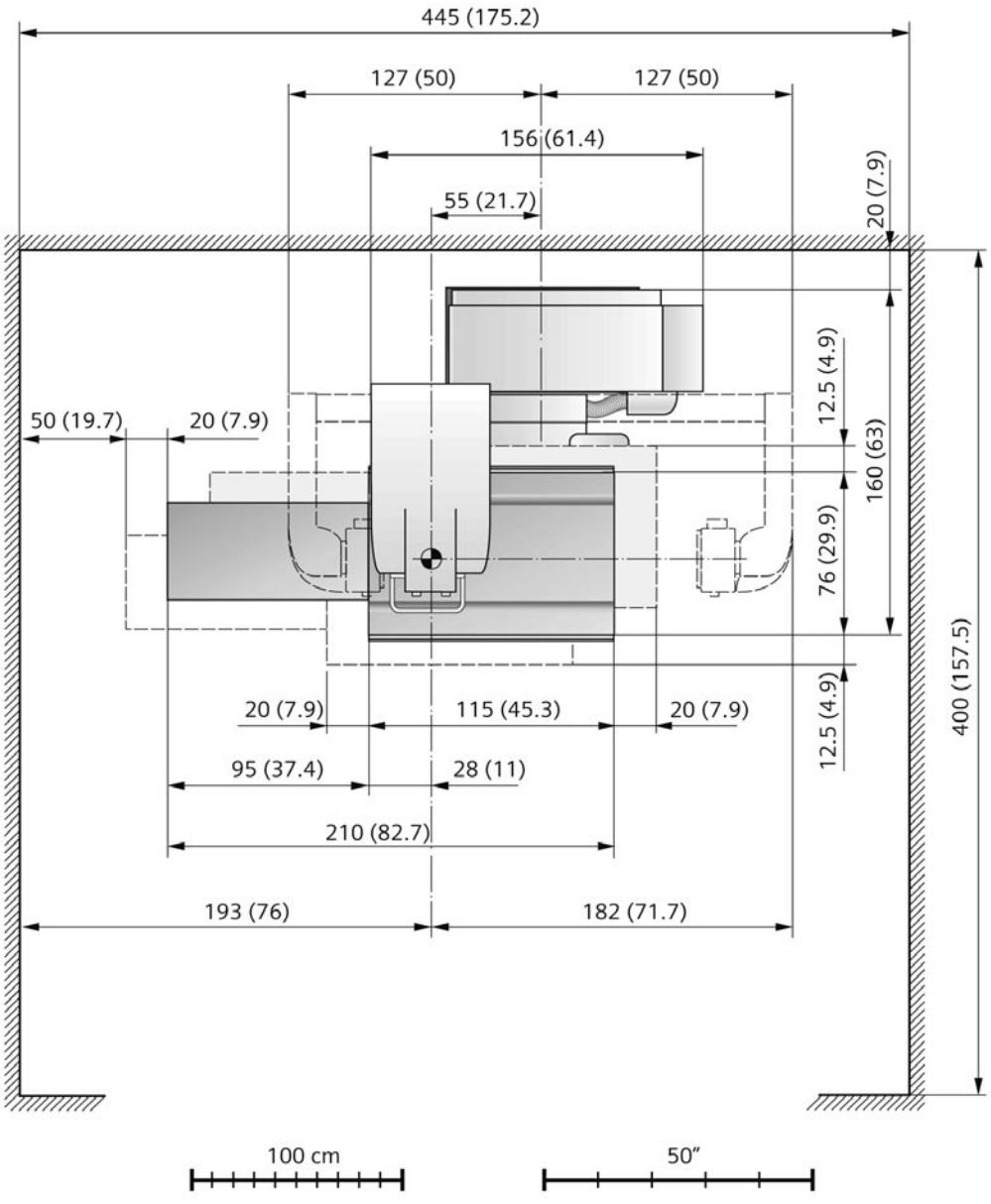
Left-hand version



Right-hand version

Dimensions in cm (inches)

Dimensions valid for left-/right-hand version
Illustration: left-hand version



The information in this document contains general descriptions of the technical options available and may not always apply in individual cases.

The required features should therefore be specified in each individual case at completion of contract.

Siemens reserves the right to modify the design and specifications contained herein without prior notice. Please contact your local Siemens sales representative for the most current information.

Original images always lose a certain amount of detail when reproduced.

In the interest of complying with legal requirements concerning the environmental compatibility of our products (protection of natural resources, waste conservation), we recycle certain components.

Using the same extensive quality assurance measures as for new components, we guarantee the quality of these recycled components.

Order No. A91001-M1550-G887-7-7600
Printed in Germany
SP PLM DA 10064

Contact addresses:

In the USA
Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway
Malvern, PA 19355
Telephone: +01 610 448 4500
Telefax: +01 610 448 1620

In Germany
Siemens AG, Medical Solutions
Special Systems
Allee am Röthelheimpark 2
D-91052 Erlangen
Germany
Telephone ++49 9131 84-0
siemens.com/medical

Siemens AG
Wittelsbacherplatz 2
D-80333 Muenchen
Germany

Headquarters
Siemens AG, Medical Solutions
Henkestr. 127, D-91052 Erlangen
Germany
Telephone ++49 9131 84-0
www.siemens.com/medical

www.siemens.com/medical