ulrich medical® tourniquets

Making safe operation a pleasure

ulrich
medical

Contents

Safe application in just 2 clicks

Touch screen tourniquets
The ulrich medical® tourniquet is available in 3 versions:
With elsa™, heidi™ and sophie™, we offer the ideal device to suit all requirements.

- **Simple and intuitive**
- **Innovative design**
- **Multicompatibility**

	elsa™	*heidi*™	*sophie*™
	mein Tourniquet	mein Tourniquet	mein Tourniquet

Intelligent	Thought-out and user-friendly functions including automatic timer start and protocol printer ensure user satisfaction.
Simple	The device is operated via simple, easy-to-understand symbols on a language-neutral touch screen. Individual presets for pressure and time enable a rapid starting point for blood arrest.
Safe	The ulrich medical® safety design features numerous safety functions: ▪ Self-test when the device is started ▪ Automatic leakage handling ▪ Maintenance of the cuff pressure in the event of a power loss

elsa™   *heidi*™
mein Tourniquet   mein Tourniquet

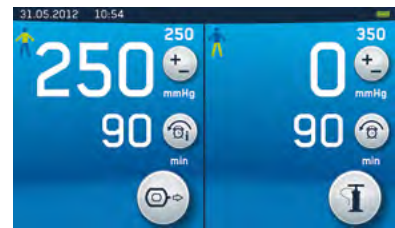|	
Reliable	An acoustic and visual display warns when the battery is running low.
Flexible	If the energy supply to the device is interrupted, a back-up battery can be used to continue working.

heidi™   *sophie*™
mein Tourniquet   mein Tourniquet

Bilateral	With heidi™ and sophie™, surgeries can be performed on both arms or legs or on an arm and a leg simultaneously.
IVRA applications	Two color-coded connections as well as colored assignment of the touch screen, the hoses and cuffs enable simple and uncomplicated IVRA applications.

An overview of the devices

elsa™, heidi™ and sophie™

	elsa™	heidi™	sophie™
Article number without protocol printer	UT 1380-E	UT 1380-H	UT 1380-S
Article number with protocol printer	UT 1380-EP	UT 1380-HP	UT 1380-SP
Number of connectors	1	2	2
Optional attachment to mobile stand UT 1382	■	■	■
Optional mounting block UT 1383 for standard rail with adjustable tilt angles for ergonomic working	■	■	■
Integrated battery with a back-up time of up to 4 hours	■	■	–
Integrated cable and hose holders	■	■	■
Integrated compressor	■	■	–
Connection for central gas supply	–	–	■
Presettable and user-configurable alarm for elapsed or incremented blood arrest duration	■	■	■
Presettable and user-configurable cuff pressure	■	■	■
ulrich medical® safety design: ■ Maintenance of the cuff pressure in the event of a complete power loss ■ Automatic leakage handling for maximum application safety ■ Automatic pressure regulation with under- and overpressure ■ Pressure calibration each time the device is started	■	■	■

Technical data

	elsa™	heidi™	sophie™
Mains connection	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz
Device Class according to 93/42/EEC	IIa	IIa	IIa
Compressed air supply	Integrated compressor	Integrated compressor	4-6 bar Central gas supply
Cuff pressure	Arm and leg, 30 - 600 mmHg	Arm and leg, 30 - 600 mmHg	Arm and leg, 30 - 600 mmHg
Precision	± 3 mmHg	± 3 mmHg	± 3 mmHg
Microprocessor	Yes	Yes	Yes
Dimensions (W × H × D)	300 x 180 x 160 mm (without cable holder and printer)	300 x 180 x 160 mm (without cable holder and printer)	300 x 180 x 160 mm (without cable holder and printer)
Weight	4.7 kg	5.0 kg	3.8 kg

Accessories

Mobile stand

for ulrich medical® tourniquets
Mobile stand for elsa™, heidi™, sophie™: UT 1382

Including
- Handy basket for storing cuffs and accessories (hoses, cables)

Dimensions
- Height with device: 1,160 mm
- Device base diameter: approx. 533 mm
- Device operating height approx. 1,100 mm

Weight
- 10.4 kg

Variable mounting block

for standard rail
Mounting block for elsa™, heidi™, sophie™: UT 1383
- For attachment of elsa™, heidi™, sophie™ on horizontal standard rails in the operating room
- Enables the position to be set to 7 different levels

Protocol printer

elsa™ incl. protocol printer: UT 1380-EP
heidi™ incl. protocol printer: UT 1380-HP
sophie™ incl. protocol printer: UT 1380-SP

Functions
- Automatic logging of all relevant data for a blood arrest application
- Plug & play documentation
- Simple handle for opening the protocol printer

Accessories
- Printer paper UT 1381-01 (paper width 58 mm)

The protocol printer can be upgraded at a later date (UT 1381). For more details, please contact your medical device consultant.

Hoses

for ulrich medical® tourniquets

Connection hoses for the central gas supply (CGS)

Article number	Description	Version	Length	sophie™
UT 1272-150	CGS-NIST hose	color neutral	1.5 m	■
UT 1272-300	CGS-NIST hose	color neutral	3 m	■
UT 1273-150	CGS-NIST hose	ISO 32	1.5 m	■
UT 1273-150-01	CGS-NIST hose, angled	ISO 32	1.5 m	■
UT 1273-150-02	CGS-NIST hose, angled	color neutral	1.5 m	■
UT 1273-300	CGS-NIST hose	ISO 32	3 m	■
UT 1273-300-01	CGS-NIST hose, angled	ISO 32	3 m	■
UT 1273-300-02	CGS-NIST hose, angled	color neutral	3 m	■
UT 1273-500-01	CGS-NIST hose, angled	ISO 32	5 m	■

Connecting hoses
For extending ulrich medical® cuffs to the tourniquet

	Article number	Connecting hose	Connector	elsa™	heidi™	sophie™	Third-party devices*	Length
sterilizable	UT 1188-500	for 1-hose cuffs	standard male - orange female	–	–	–	■	5 m
	UT 1277-300	for 1-hose cuffs	orange male - orange female	■	■	■	–	3 m
	UT 1277-500	for 1-hose cuffs	orange male - orange female	■	■	■	–	5 m
non-sterilizable	UT 1276-300	for 1-hose cuffs	orange male - orange female	■	■	■	–	3 m
	UT 1276-500	for 1-hose cuffs	orange male - orange female	■	■	■	–	5 m
	UT 1321-300	for 1-hose cuffs	standard male - standard female	–	–	–	■	3 m
	UT 1321-500	for 1-hose cuffs	standard male - standard female	–	–	–	■	5 m
	UT 1187-500	for 1-hose cuffs	orange male - standard female	■	■	■	–	5 m
	UT 1278-500	for IVRA cuff	orange male - orange female	–	■	■	–	5 m

* e.g., Zimmer, VBM and others with a standard connection

ulrich medical® disposable cuffs

Safe hygiene. Slim-line process.
The ulrich medical® disposable cuffs fit perfectly with all hygiene concepts.

Irrespective of the hospital and surgical processes, disposable cuffs as disposables guarantee hygienic safety and reliability. They therefore offer your personnel flexibility and also help to reduce their workload.

Available in the sizes 2XS to 2XL (parallel shape) and XL (conical shape) as well as a IVRA version for your regional anesthesias, you can rely on the disposable cuffs from ulrich medical®.

- For single use – no extra time and costs for reprocessing
- Size XL comes with an additional symbol to aid conical cuff placement
- Simple use with a velcro closure and additional color-coded safety band
- Less pressure on your investment budget and optimization of your process costs
- Rapid treatment of emergency patients
- Sterile packaged* – no risk of cross-contamination

* Sterile products may not be exchanged

Single-chamber 1-hose cuff with color coding

Color code	Size	Length in mm*	Width in mm*	Article number Orange connector	Article number Standard connector
	2XS	200	70	UT 1332-2XS	UT 1330-2XS
	XS	300	90	UT 1332-XS	UT 1330-XS
	S	495	100	UT 1332-S	UT 1330-S
	M	600	100	UT 1332-M	UT 1330-M
	L	760	100	UT 1332-L	UT 1330-L
	XL (conical)	860	100	UT 1332-XL	UT 1330-XL
	XL (parallel)	860	100	UT 1332-XL-P	UT 1330-XL-P
	2XL	1070	100	UT 1332-2XL	UT 1330-2XL

Sales unit: Pack of 10

Double-chamber 1-hose cuff for intravenous regional anesthesia (IVRA) with color coding

Color code	Size	Length in mm*	Width in mm*	Article number Orange connector	Article number Standard connector
	XS	300	90	UT 1332-IVRA-XS	UT 1330-IVRA-XS
	S	495	100	UT 1332-IVRA-S	UT 1330-IVRA-S
	M	300	100	UT 1332-IVRA-M	UT 1330-IVRA-M

Sales unit: Pack of 10

Orange connector:
for elsa™, heidi™, sophie™

Standard connector: Connection of cuffs
to third-party devices

* Length measured from the outer edge to the outer edge of the cuff

ulrich medical® multi-use cuffs

High application quality and gentle on patients
ulrich medical® multi-use cuffs are made of comfortable high-tech synthetic fibers. They can be steam-sterilized and reused without hesitation. Thanks to the elasticity of the fabric, the cuffs can can be fitted perfectly.

Since the cuffs can be disassembled into their component parts, a long service life and high cost effectiveness with up to 50 reprocessing cycles are guaranteed. Available in the sizes 2XS to 3XL, ulrich medical® mutli-use cuffs are your partner for maximum application quality and exceptional patient comfort, even during longer interventions.

Standard connector for using the ulrich medical® cuffs on third-party devices.

Velcro cleaning comb for quick and simple cleaning of cuffs.

Special **ulrich medical® size tape** for precise determination of the ideal cuff size. The size tape can be used for both disposable and multi-use cuffs.

- **Premium quality, latex-free**
- **Simple sterilization**
- **Color-coded sizes**

Single-chamber 1-hose cuff with color coding

Color code	Size	Length in mm*	Width in mm*	Article number Orange connector	Article number Standard connector
	2XS	250	55	UT 1317-2XS	UT 1321-2XS
	XS	290	70	UT 1317-XS	UT 1321-XS
	S	495	85	UT 1317-S	UT 1321-S
	M	600	100	UT 1317-M	UT 1321-M
	L	710	120	UT 1317-L	UT 1321-L
	XL	950	150	UT 1317-XL	UT 1321-XL
	2XL	1090	100	UT 1317-2XL	UT 1321-2XL
	3XL	1310	120	UT 1317-3XL	UT 1321-3XL

Sales unit: Pack of 1

Double-chamber 1-hose cuff for intravenous regional anesthesia with color coding

Size	Length in mm*	Width in mm*	Article number Orange connector	Article number Standard connector
corresponds to S	500	150	UT 1317-IVRA-I	UT 1321-IVRA-I

Sales unit: Pack of 1

Orange connector:
for elsa™, heidi™, sophie™

Standard connector: Connection of cuffs
to third-party devices

* Length measured from the outer edge to the outer edge of the cuff

Single-chamber 2-hose cuff with color coding

Color code	Size	Length in mm*	Width in mm*	Article number Standard connector
	2XS	250	55	UT 1322-2XS
	XS	290	70	UT 1322-XS
	S	495	85	UT 1322-S
	M	600	100	UT 1322-M
	L	710	120	UT 1322-L
	XL	950	150	UT 1322-XL
	2XL	1090	100	UT 1322-2XL
	3XL	1310	120	UT 1322-3XL

Sales unit: Pack of 1

Double-chamber 2-hose cuff with color coding

Size	Length in mm*	Width in mm*	Article number Standard connector
corresponds to S	500	150	UT 1322-IVRA-l

Sales unit: Pack of 1

* Length measured from the outer edge to the outer edge of the cuff

Cuff accessories

Designation	Article number
ulrich medical® cuff size tape from 2XS to 3XL	UT 1315
Velcro cleaning comb	300,001

Supporting member of the German Society
for Hospital Hygiene (Deutsche Gesellschaft
für Krankenhaushygiene e.V.)

**Over a Century
of Innovation**

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