



Tourniquet **Touch.**

The new generation of Tourniquets with touch screen technology
Premium Quality Made in Germany

/ Tourniquet Touch TT20 / TT15

For safe regulation of blood flow occlusion during extremity surgery

The Tourniquet Touch is an electrically operated surgical tourniquet. It regulates the pressure of a Tourniquet Cuff which temporarily occludes the blood flow of a patient's upper or lower extremity in order to obtain a bloodless field. User friendly innovations such as Fast Choice Buttons and the specific alarm system simplify the use of the device and ensure patient safety. The system interface is reliable and intuitive and allows easy maintenance for the biomedical engineer (calibration, self test, leak test).

Tourniquet Touch TT20 with two cuff channels

For use with Single Cuff, two Single Cuffs or Double Cuff.

Tourniquet Touch TT15 with cuff channel and irrigation channel

For use with Single Cuff and Pressure Infusion Cuff.



Tourniquet Touch TT20

Tourniquet Touch TT15

Specifications

Display

- 8 inch (800 x 480 pixel)
- Wide viewing angle (170°)
- Low reflection, mat, anti-glare

Battery

- Lithium ion (14.4 V – 93.6 Wh)
- Approx. 8 h backup runtime

USB-Port

- Software updates
- Saving log file for device analysis

Touch Screen

- 100% premium glass
- Easy cleaning and disinfection
- Usable with surgical gloves

Cuff Channel

- Pressure range: 80 – 500 mmHg
- Alarm time: 15 – 120 minutes

Housing

- With integrated handle
- Very robust material
- Easy cleaning and disinfection

Settings

- Defaults allow personalised presetting of time and pressure
- Easy maintenance (calibration, self test, leak test)

Irrigation Channel (TT15)

- Pressure range: 50 – 300 mmHg

Features

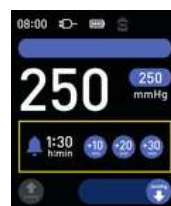
Fast Choice Buttons

- Allow to change pressure and time of preset values with only two touches
- No need to tap arrows and confirmation buttons
- Facilitate immediate pressure changes during surgical procedures



Timer Alarm

- Precise time monitoring during the procedure
- User is warned after reaching the set alarm time
- Extension of alarm time by 10, 20 or 30 minutes



TT20

Intravenous Regional Anaesthesia (IVRA)

- Safety lockout to reduce the risk of accidental cuff deflation and to prevent a sudden loss of IVRA



TT15

Connection Irrigation Channel

- Irrigation port with dedicated connector for Pressure Infusion Cuff to avoid misconnection of Tourniquet Cuffs
- Pressure is monitored and adjusted constantly to compensate loss of pressure caused by emptying of the fluid bag



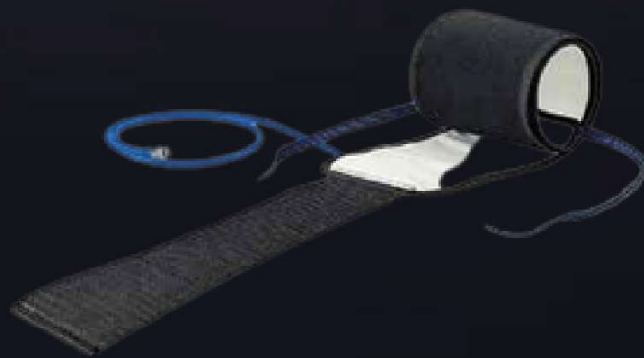
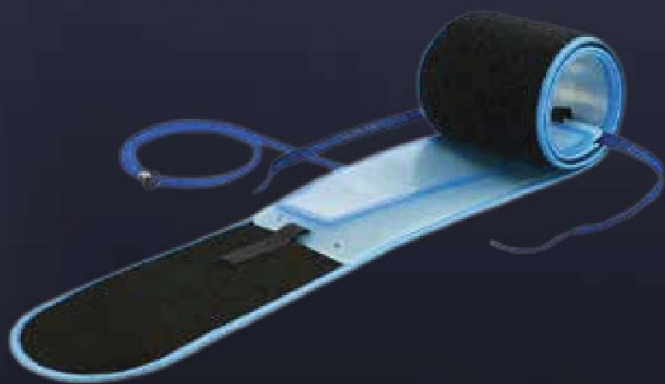
Order information

Tourniquet TT20 / With 3.0 m (10 ft) Coil Connecting Tubing (blue and red), 100 – 240 VAC, height 186 mm (7 3/8"), width 263 mm (10 3/8"), depth 226 mm (8 7/8"), 4.5 kg (9.9 lbs)

REF	Box
01-20-000	1

Tourniquet TT15 / With 3.0 m (10 ft) Coil Connecting Tubing (blue and black), 100 – 240 VAC, height 186 mm (7 3/8"), width 263 mm (10 3/8"), depth 226 mm (8 7/8"), 4.5 kg (9.9 lbs)

REF	Box
01-15-000	1



Tourniquet **Touch.** **Cuffs**

TOURNIQUET CUFFS

Tourniquet Dispo Cuff / Single Cuff / Single Port

Tourniquet cuff for single use - sterile



Length	Width	Colour	Single Port	Box
20 cm (8")	5 cm (2")	-	REF 20-34-700SLZ-1	10
30 cm (12")	6 cm (2 3/8")		REF 20-34-710SLZ-1	10
35 cm (14")	8 cm (3 1/8")		REF 20-34-711SLZ-1	10
46 cm (18")	10 cm (4")		REF 20-34-712SLZ-1	10
46 cm (18")	12 cm (4 3/4")		REF 20-34-715SLZ-1*	10
61 cm (24")	12 cm (4 3/4")		REF 20-34-722SLZ-1*	10
76 cm (30")	12 cm (4 3/4")		REF 20-34-727SLZ-1*	10
86 cm (34")	12 cm (4 3/4")		REF 20-34-728SLZ-1*	10
107 cm (42")	12 cm (4 3/4")		REF 20-34-729SLZ-1*	10

*Contour shape



Tourniquet Dispo Cuff / Single Cuff / Dual Port

Tourniquet cuff for single use - sterile



Length	Width	Colour	Dual Port	Box
20 cm (8")	5 cm (2")	-	REF 20-36-700SLZ-1	10
30 cm (12")	6 cm (2 3/8")		REF 20-36-710SLZ-1	10
35 cm (14")	8 cm (3 1/8")		REF 20-36-711SLZ-1	10
46 cm (18")	10 cm (4")		REF 20-36-712SLZ-1	10
46 cm (18")	12 cm (4 3/4")		REF 20-36-715SLZ-1*	10
61 cm (24")	12 cm (4 3/4")		REF 20-36-722SLZ-1*	10
76 cm (30")	12 cm (4 3/4")		REF 20-36-727SLZ-1*	10
86 cm (34")	12 cm (4 3/4")		REF 20-36-728SLZ-1*	10
107 cm (42")	12 cm (4 3/4")		REF 20-36-729SLZ-1*	10

*Contour shape

TOURNIQUET CUFFS

Tourniquet Dispo Cuff / Double Cuff / Single Port

Tourniquet cuff for single use - sterile



Length	Width	Colour	REF	Box
30 cm (12")	12 cm (4 3/4")		20-30-710SLZ-1	10
46 cm (18")	12 cm (6")		20-30-712SLZ-1	10
61 cm (24")	15 cm (6")		20-30-722SLZ-1	10

Tourniquet Wipe Cuff / Single Cuff / Single Port

Tourniquet cuff - reusable

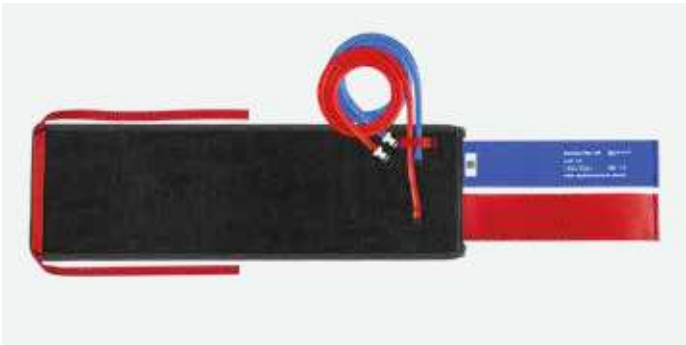


Length	Width	Colour	REF	Box
20 cm (8")	7 cm (2 3/4")	-	20-75-700	1
30 cm (12")	8 cm (3 1/8")		20-75-710	1
35 cm (14")	8 cm (3 1/8")		20-75-711	1
46 cm (18")	10 cm (4")		20-75-712	1
46 cm (18")	12 cm (4 3/4")		20-75-715*	1
61 cm (24")	12 cm (4 3/4")		20-75-722*	1
76 cm (30")	12 cm (4 3/4")		20-75-727*	1
86 cm (34")	12 cm (4 3/4")		20-75-728*	1
107 cm (42")	12 cm (4 3/4")		20-75-729*	1

*Contour shape

Tourniquet Wipe Cuff / Double Cuff / Single Port

Tourniquet cuff - reusable



Length	Width	Colour	REF	Box
30 cm (12")	12 cm (4.7")		20-77-710	1
46 cm (18")	15 cm (5.9")		20-77-712	1
61 cm (24")	15 cm (5.9")		20-77-722	1

TOURNIQUET CUFFS

Silicone Velcro Cuff / Single Cuff / Single Port

Tourniquet cuff - reusable



Length	Width	Colour	REF	Box
20 cm (8")	2.5 cm (1")	-	20-64-700	1
30 cm (12")	4 cm (1 5/8")		20-64-710	1
35 cm (14")	6 cm (2 3/8")		20-64-611	1
46 cm (18")	7.5 cm (3")		20-64-612	1
46 cm (18")	11 cm (4 1/4")		20-64-512*	1
61 cm (24")	11 cm (4 1/4")		20-64-522*	1
76 cm (30")	11 cm (4 1/4")		20-64-527*	1
86 cm (34")	11 cm (4 1/4")		20-64-528*	1

*Contour shape



Silicone Velcro Cuff / Double Cuff / Single Port

Tourniquet cuff - reusable



Length	Width	Colour	REF	Box
30 cm (12")	8.0 cm (3.2")		20-60-710	1
46 cm (18")	12.5 cm (4.9")		20-60-712	1
61 cm (24")	12.5 cm (4.9")		20-60-722	1

TOURNIQUET CUFFS

Disposable Tourniquet Cuff with Sleeve / Single Cuff / Single Port

Tourniquet cuff for single use - sterile



Part Number	Size	Colour	
M8806SP	46 cm (18")		Standard Arm, Single Port, with Sleeve
M8808SP	61 cm (24")		Standard Leg, Single Port, with Sleeve
M8810SP	76 cm (30")		Medium Leg, Single Port, with Sleeve
M8812SP	86 cm (34")		Long Leg, Single Port, with Sleeve
M8814SP	111 cm (44")		Extra Long Leg, Single Port, with Sleeve

Disposable Tourniquet Cuff with Sleeve / Single Cuff / Dual Port

Tourniquet cuff for single use - sterile



Part Number	Size	Colour	
M8807DP	46 cm (18")		Standard Arm, Dual Port, with Sleeve
M8809DP	61 cm (24")		Standard Leg, Dual Port, with Sleeve
M8811DP	76 cm (30")		Medium Leg, Dual Port, with Sleeve
M8813DP	86 cm (34")		Long Leg, Dual Port, with Sleeve
M8815DP	111 cm (44")		Extra Long Leg, Dual Port, with Sleeve





Tourniquet **Touch.** Accessories

Order
information

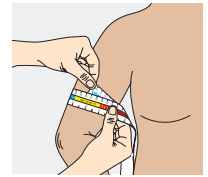
Measuring Tape

For selection of VBM tourniquet cuffs

- Color coded, for easy identification of cuff selection

Measuring Tape / For single use

REF	Box
20-95-222	50

Order
information

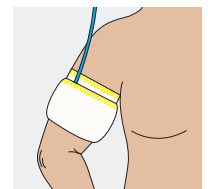
Tourniquet Sleeve

For patient protection

- Protects soft tissues underneath the cuff
- Reduces wrinkling, pinching and shearing of soft tissues

Tourniquet Sleeve / For single use

Extremity	Color	Clean packed	Sterile packed	Box
≤20 cm (8")	○	REF 23-00-700	REF 23-00-700-1	10
≤30 cm (12")	●	REF 23-00-710	REF 23-00-710-1	10
≤35 cm (14")	●	REF 23-00-711	REF 23-00-711-1	10
≤46 cm (18")	●	REF 23-00-712	REF 23-00-712-1	10
≤61 cm (24")	●	REF 23-00-722	REF 23-00-722-1	10
≤76 cm (30")	●	REF 23-00-727	REF 23-00-727-1	10
≤86 cm (34")	●	REF 23-00-728	REF 23-00-728-1	10
≤107 cm (42")	●	REF 23-00-729	REF 23-00-729-1	10

Order
information

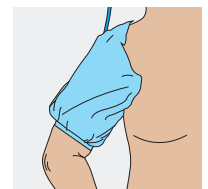
Tourniquet Drape

For patient protection

- Isolates the cuff from the sterile field
- Seals against fluid accumulation underneath the cuff to protect the patient from burns associated with skin preparation

Tourniquet Drape / For single use

Extremity	Clean packed	Box	Sterile packed	Box
≤45 cm (≤18")	REF 24-00-100	40	REF 24-00-100-1	10
35 - 76 cm (14" - 30")	REF 24-00-200	40	REF 24-00-200-1	10
61 - 107 cm (24" - 42")	REF 24-00-300	40	REF 24-00-300-1	10

Order
information

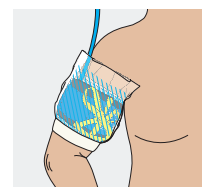
Tourniquet Cuff Cover

For cuff protection

- Keeps the cuff free from soiling

Tourniquet Cuff Cover / For single use

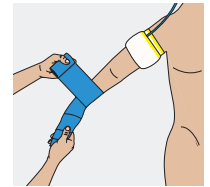
Extremity	Clean packed	Sterile packed	Box
≤42 cm (≤16 1/2")	REF 20-11-111	REF 20-11-111-1	50
40 - 58 cm (16" - 23")	REF 20-11-333	REF 20-11-333-1	50
52 - 70 cm (20" - 28")	REF 20-11-222	REF 20-11-222-1	50



Esmarch Bandages

For exsanguination

- Available in 4 sizes
- Made of synthetic rubber and powder-free (talcum-free) to avoid possible allergic reactions
- Textured surface for a good grip
- Elastic properties for easy wrapping
- Robust and tear resistant



Order
information

Esmarch Bandage / For single use, sterile packed, color: light blue

Width	Length	REF	Box
6 cm (2 3/8")	365 cm (12 ft)	20-21-060-1	10
8 cm (3 1/8")	365 cm (12 ft)	20-21-080-1	10
10 cm (4")	365 cm (12 ft)	20-21-100-1	10
15 cm (6")	365 cm (12 ft)	20-21-150-1	10

Esmarch Bandage / Reusable, autoclavable, color: dark blue

Width	Length	REF	Box
6 cm (2 3/8")	500 cm (16 ft)	20-20-060	5
8 cm (3 1/8")	500 cm (16 ft)	20-20-080	5
10 cm (4")	500 cm (16 ft)	20-20-100	5
15 cm (6")	500 cm (16 ft)	20-20-150	5



Roll-On Cuff

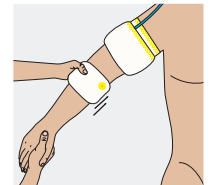
For exsanguination

- Allow fast and easy exsanguination within seconds
- Inflatable exsanguination system
- 100% silicone medical grade
- Quick and efficient procedure
- Full range of sizes available

Order
information

Roll-On Cuff / Reusable

Size	Extremity	Color	REF	Box
2	26 – 33 cm (10" – 13")	Blue	21-95-712	1
3	31 – 40 cm (12" – 16")	Yellow	21-95-719	1
4	38 – 49 cm (15" – 19")	Red	21-95-722	1
5	47 – 60 cm (18" – 24")	Green	21-95-727	1
6	58 – 70 cm (23" – 28")	Dark Blue	21-95-729	1



Additional
information



Application Video
Tourniquet Sleeve



Application Video
Tourniquet Drape



Application Video
Tourniquet Cuff
Cover



Application Video
Esmarch Bandages



Application Video
Roll-On Cuff

Accessories for
Roll-On Cuff



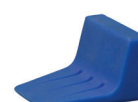
Hand Inflator for Roll-On Cuff /
Manometer 200 mmHg, Smooth
Connecting Tubing (100 cm (40"))
with positive locking connectors
and inflation needle

REF	Box
21-95-300	1



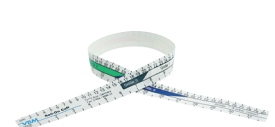
Smooth Connecting Tubing / With
positiv locking connectors and
inflation needle, (100 cm (40"))

REF	Box
21-95-302	1



Brake-Block / Reusable, material:
Silicone

Size	REF	Box
Small	21-95-200	1
Large	21-95-201	1



**Measuring Tape for VBM Roll-On
Cuff** / Color coded, for easy identi-
fication of Roll-On Cuff

REF	Box
21-95-111	10

Order
information

/ Connecting Tubing



Coil Connecting Tubing / Material: Polyurethane

Color	Device	Stretched length 3.0 m (10 ft)	Stretched length 6.0 m (20 ft)	Box
Red	TT20	REF 20-20-742	REF 01-00-520	1
Blue	TT20 / TT15	REF 20-20-744	REF 01-00-510	1
Black	TT15	REF 20-20-740	REF 01-00-530	1



Smooth Connecting Tubing / Material: Silicone

Color	Device	4.5 m (15 ft)	Box
Red	TT20	REF 20-20-942	1
Blue	TT20 / TT15	REF 20-20-944	1

Order
information

/ Mobile Stand and Basket

Features



Handle

- For easy manoeuvring

Cable Hanger

- For placement of cable during transport

Tubing Hanger

- For placement of connecting tubing during transport

Basket

- Large storage capacity
- Possibility to attach a second basket

Cable Conduit

- Inside the column of the stand for strain-relief and proper conduit of the cable

Order
information

Mobile Stand with basket / 4 castors with castor lock (2 include ESD), height 939 mm (37"), width 400 mm (16"), depth 400 mm (16"), 8.2 kg (18.1 lbs)

Basket / Basket of 2 kg load capacity, height 185 mm (7"), width 377 mm (15"), depth 196 mm (8"), 0.73 kg (1.6 lbs)

REF	Box
01-00-100	1

REF	Box
01-00-110	1

