ENT Working stations

MODULA type

HEINEMANN
MEDIZINTECHNIK

Since 1983, **Heinemann Medizintechnik** is one of the leading equipment providers in **ENT medical technology**.

The company is not only a **manufacturer** of high-quality ENT treatment units, but also a **competent** partner for practice planning as well as your sales **partner** for complete ENT equipment in **hospitals** and private practices.

The new Heinemann Medizintechnik headquarter is attractively located in Kaltenkirchen (North Germany) and accomodates our development, sales, manufacturing and service departments.

Individual and qualified consulting services are what our customers rely on when turning towards Heinemann. From a first idea to a complete CAD draft, we deliver custom solutions and concepts to our customers.

Company history

Its profile covers the development, manufacture, sales and distribution of ENT diagnosis devices. The product range also included ultrasound devices for paranasal sinus diagnostics, stroboscopy devices for vocal chord diagnostics and devices for vestibular diagnostics.

Continuous international growth lead to formation of Heinemann subsidiaries in Russia and France and appointment of distribution partners in many other countries. Quality and design will always remain our core values in order to stay ahead of the competition.

1983	Foundation of Heinemann Medizintechnik
1990	Heinemann introduces the first MODULA ENT Treatment Unit
1991	Manufacturing begins in new premises in Hamburg (Hummelsbüttel)
1995	Heinemann opens subsidiary in Moscow (Russia). Heinemann on trade fairs in Moscow, Kazan, St. Petersburg, Odessa
1997	Heinemann delivers ENT units to Bolshoi Theater in Moscow
1998	Heinemann opens office in Schönfeld (Perleberg)
2007	Development of a new small mobile ENT treatment unit "MODULA mini"
2008	Heinemann Medizintechnik is named official distributor of PHILIPS Medical Systems in Russia
2010	Many updates on ENT Treatment Units: LED cold light, glass control panel, antibacterial color coating, etc.
2011	Heinemann wins tender for 80 ENT Treatment Units to the Republic of Belarus
2012	Heinemann wins tender for healthcare modernization programme in Moscow: 251 ENT Work stations delivered to Moscow area
2013	Completion of our new company home in Kaltenkirchen. Placed on a 6000 m^2 property, the new production facility has been built using latest technologies in order to provide sustainability and capacity for continuous production volume increase in the coming years. The 1600 m^2 production facility is dimensioned to provide capacity for further anticipated growth.
2018	IF Design Award for the new design concept of an ENT Treatment Unit

Quality and Design is our priority to stay ahead of the market!

MODULA overview

Basic equipment of MODULA units	Duo	Europa	Paris	Mini
High-quality, electrolytically galvanised sheet steel housing	✔	✔	✔	✔
Stoved enamel powder coating in 22 colours with antibacterial characteristics and fine structure	✔	✔	✔	✔
Mobile unit with stainless steel base, antistatic heavy-duty castors	✔	✔	✔	✔
Electronic operating and display system: robust, user-friendly touch sensitive glass screen display with function keys	✔	✔	✔	✔
Instrument holder for handles	✔	✔	✔	✔
Integrated rapid mirror warmer	✔	✔	✔	✔
Fully extendable and soft closing drawers	6	4	2	3
Pull-out writing/preparation desk with stainless steel surface	✔	✔	✔	–
Quiver for used rigid endoscopes with protective silicone adapter	4	3	3	3
2 instrument levels with stainless steel instrument trays	✔	✔	✔	–
Indirect illumination for instrument levels	✔	✔	✔	–
Acrylic glass instrument cover, sinkable behind the cabinet	✔	✔	✔	–
Stainless steel instrument tray for used instruments with silicone insert	✔	–	✔	–
Melamine instrument tray for used instruments with silicone insert	–	✔	–	–
Waste bin, opening with foot pedal (self-closing)	✔	✔	✔	–

Mobility and efficiency

Mobility and efficiency

Image does not show standard equipment

Product description

MODULA mini is our most compact unit, yet offering all essential features. Despite its small dimensions, this unit can be equipped with almost all features of the MODULA product portfolio. This space-saving unit offers automatic or manual suction systems, up to 3 LED cold light sources, endoscope quivers for rigid and flexible endoscopes and much more.

MODULA mini is the right unit for very small examination rooms or to serve as a backup unit with essential functions. MODULA mini is a small mobile unit which can be moved between examination rooms. If more space is needed an instrument cabinet is also available in the same design in order to store additional instruments.

Basic equipment

MODULA mini
REF: 0100-10000

- High quality electrolytic zincplated steel cabinet
- Stoved enamel antibacterial powder coating in 20 colours
- Mobile unit with stainless steel base, antistatic heavy-duty castors
- Electronic operating and display system: robust, user-friendly touch sensitive glass screen display with function keys
- Instrument holder for irrigation, compressed air and suction handles
- Integrated rapid mirror warmer, with fan
- max. 4 drawers, fully extending with soft close system
- 3 quivers for used rigid endoscopes with protective silicone adapter

Image does not show standard equipment

1. Irrigation handle, compressed air sprayer, suction hose
2. Touch sensitive glass screen display
3. Quivers for used rigid endoscopes
4. LED cold light sources
5. Antibacterial tubes with quick connectors
6. Endoscope quivers
7. Fully extendable and soft closing drawers
8. Mirror warmer
9. Robust design featuring high-quality materials
10. Headlamp holder, switches on/off automatically, height-adjustable and swivelling

Example ENT Workstation

Image does not show standard equipment

1	LED Monitor	**3**	Head light HEINE ML4 LED with mPack
2	Endoscopy camera	**4**	Rigid endoscope with cold light cable

Example model versions

Storage compartment instead of the drawer

Flat drawer for instruments

Compartment for a melamine instrument tray for used instruments

Dimensions

425 mm   430 mm

780 mm

585 mm

410 mm

Standard colours (antibacterial coating with fine structure):

RAL 1001 Beige	RAL 1013 Oyster white	RAL 1028 Melon yellow	RAL 3004 Purple red	RAL 3020 Traffic red	RAL 5003 Sapphire blue
RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5017 Traffic blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue	RAL 6029 Mint green
RAL 6034 Pastel turquoise	RAL 7011 Iron grey	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey	RAL 7044 Silk grey
RAL 7045 Telegrau 1	RAL 9006 White aluminium	RAL 9010 Pure white	RAL 9016 Traffic white		

The colours shown here may differ from those on the screen or in print

Technical details:

Mains voltage, mains frequency:	230 V (+/- 10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	IIa
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overfill protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar, autoclavable bacterial filter
Ear irrigation with continuous flow heating (optional):	+37° C +/-1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear irrigation with water heater system (optional):	+37° C +/-1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Heated endoscope holders (optional):	+37° C ±4° C
Light source, LED (optional):	30 VA, 12 V, 2,000 lm, 5,700° K
Total weight:	approx. 60 kg (depending on equipment)
Dimensions (WxHxD):	410 x 780 x 585 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications

MODULA Paris

Maximum equipment
occupying minimal space

Image does not show standard equipment

Product description

MODULA Paris – the complete functional scope in a small space. If you only have limited space available or you need a second, small unit with specific functions, this is the treatment unit for you. This treatment unit offers the complete range of functions of large treatment units (e.g., MODULA Europa). Despite its compact size, the MODULA Paris offers plenty of space for instruments and devices. It can be equipped with instrument trays on up to two levels or a gallery.

Basic equipment

MODULA Paris
REF: 0100-20000

- High-quality, electrolytically galvanised sheet steel housing
- Stoved enamel antibacterial powder coating in 20 colours
- Mobile unit with stainless steel base, antistatic heavy-duty castors
- Electronic operating and display system: robust, user-friendly touch sensitive glass screen display with function keys
- Instrument holder for irrigation, compressed air and suction handles, swivelling
- Integrated rapid mirror warmer, with fan
- 2 fully extendable and soft closing drawers
- 3 quivers for used rigid endoscopes with protective silicone adapter
- 2 instrument levels with stainless steel instrument trays
- Indirect illumination for instrument levels
- Acrylic glass instrument cover, sinkable behind the cabinet
- Stainless steel instrument tray for used instruments with silicone insert
- Waste bin, opening with foot pedal (self-closing)
- Pull-out writing/preparation desk with stainless steel surface

Image does not show standard equipment

1	Irrigation handle, compressed air sprayer, suction hose	**8**	Upper shelf as expansion of storage possibilities
2	Touch sensitive glass screen display	**9**	Fully extendable and soft closing drawers
3	Instrument trays on up to three levels	**10**	Stainless steel instrument tray
4	LED or halogen cold light sources	**11**	Mirror warmer
5	Antibacterial tubes with quick connectors	**12**	Robust design featuring high-quality materials
6	Endoscope quivers	**13**	Waste bin
7	Rinsing system for suction tube	**14**	Pull-out writing/preparation desk with stainless steel surface

Example ENT Workstation

Image does not show standard equipment

1 Gallery above instrument level as extended storage possibility for additional devices etc.

2 Rigid endoscope with cold light cable

3 Endoscopy camera

4 Holder for a cold light headlamp with HEINE ML4 LED head light

5 LED monitor(16:9)
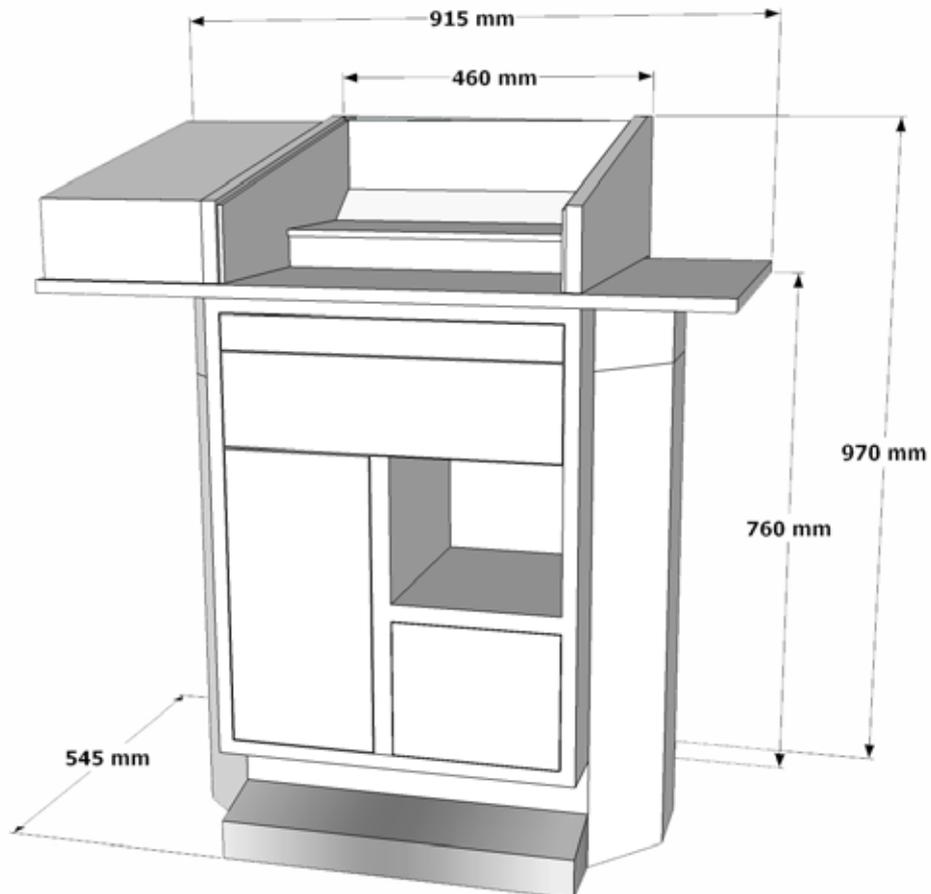
Example model versions

Gallery above instrument level

Mirror warming block on
the top instrument level

Desk extension

Dimensions

915 mm

460 mm

970 mm

760 mm

545 mm

Standard colours (antibacterial coating with fine structure):

RAL 1001 Beige	RAL 1013 Oyster white	RAL 1028 Melon yellow	RAL 3004 Purple red	RAL 3020 Traffic red	RAL 5003 Sapphire blue
RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5017 Traffic blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue	RAL 6029 Mint green
RAL 6034 Pastel turquoise	RAL 7011 Iron grey	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey	RAL 7044 Silk grey
RAL 7045 Telegrau 1	RAL 9006 White aluminium	RAL 9010 Pure white	RAL 9016 Traffic white		

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Technical details:

Mains voltage, mains frequency:	230 V (+/- 10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	IIa
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overfill protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar, autoclavable bacterial filter
Ear irrigation with continuous flow heating (optional):	+37° C +/-1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear irrigation with water heater system (optional):	+37° C +/-1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Heated endoscope holders/ mirror heater (optional):	+37° C ±4° C
Light source, LED (optional):	30 VA, 12 V, 2,000 lm, 5,700° K
Total weight:	approx. 140 kg (depending on equipment)
Dimensions (WxHxD):	915 x 970 x 545 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications

## Complete equipment and
optimal storage possibilities

Image does not show standard equipment

Product description

MODULA Europa – stands for large product variety and individual equipment possibilities. Installed desk, PC Workstation, swivel arm or upper shelf for different units – we design and produce the unit to suit your requirements. The MODULA Europa is the optimal size so that not only can all components be optimally placed, but there is also a wide range of storage possibilities to choose from for instruments. You can choose from fully extendable drawers as well as instrument shelves with flat stainless steel trays on up to three two.
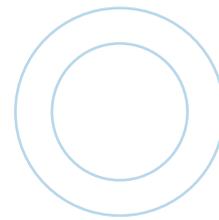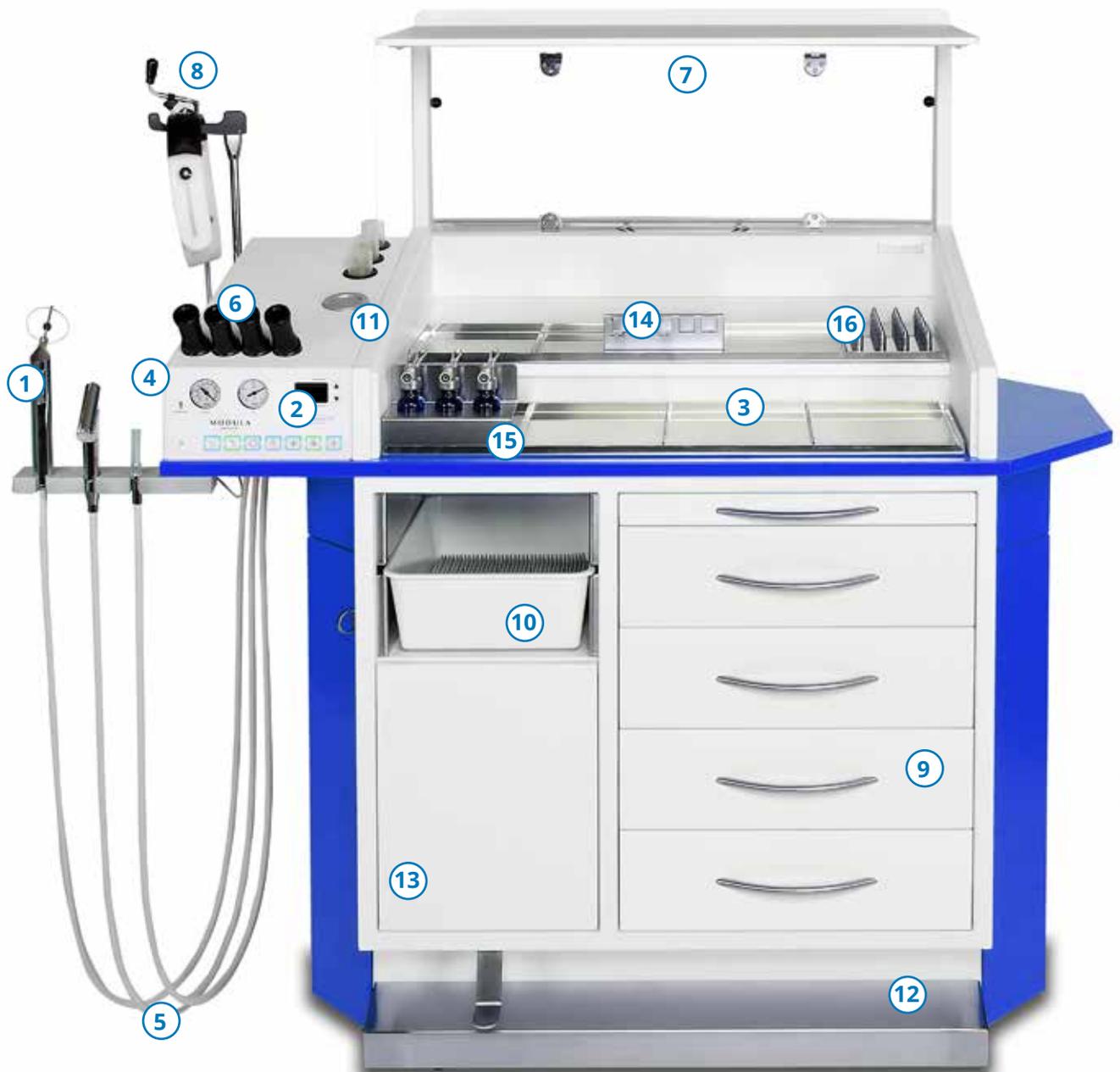
Basic equipment

MODULA Europa
REF: 0100-30000

- High-quality, electrolytically galvanised sheet steel housing
- Stoved enamel antibacterial powder coating in 20 colours
- Mobile unit with stainless steel base, antistatic heavy-duty castors
- Electronic operating and display system: robust, user-friendly touch sensitive glass screen display with function keys
- Instrument holder for irrigation, compressed air and suction handles, swivelling
- Integrated rapid mirror warmer, with fan
- 4 fully extendable and soft closing drawers
- Pull-out writing/preparation desk with stainless steel surface
- 3 quivers for used rigid endoscopes with protective silicone adapter
- 2 instrument levels with stainless steel instrument trays
- Indirect illumination for instrument levels
- Acrylic glass instrument cover, sinkable behind the cabinet
- Melamine instrument tray for used instruments with silicone insert
- Waste bin, opening with foot pedal (self-closing)

Image does not show standard equipment

1. Irrigation handle, compressed air sprayer, suction hose
2. Touch sensitive glass screen display
3. Instrument trays on up to three levels
4. LED or halogen cold light sources
5. Antibacterial tubes with quick connectors
6. Endoscope quivers
7. Upper shelf as expansion of storage possibilities
8. Headlamp holder, switches on/off automatically, height-adjustable and swivelling for cold light headlamps
9. Fully extendable and soft closing drawers
10. Melamine instrument tray
11. Mirror warmer
12. Robust design featuring high-quality materials
13. Waste bin
14. Tongue depressor holder
15. Stainless steel holder for medicament sprayer
16. Ear speculum holder

Example ENT Workstation

Image does not show standard equipment

1 ENT microscope KAPS Som 22 with an integrated cold light source

2 Cold light headlamp

3 Rigid endoscopes

4 Patient chair with electrical height adjustment and synchronous adjustment of leg support

5 Storage possibility for ENT instruments

Example model versions

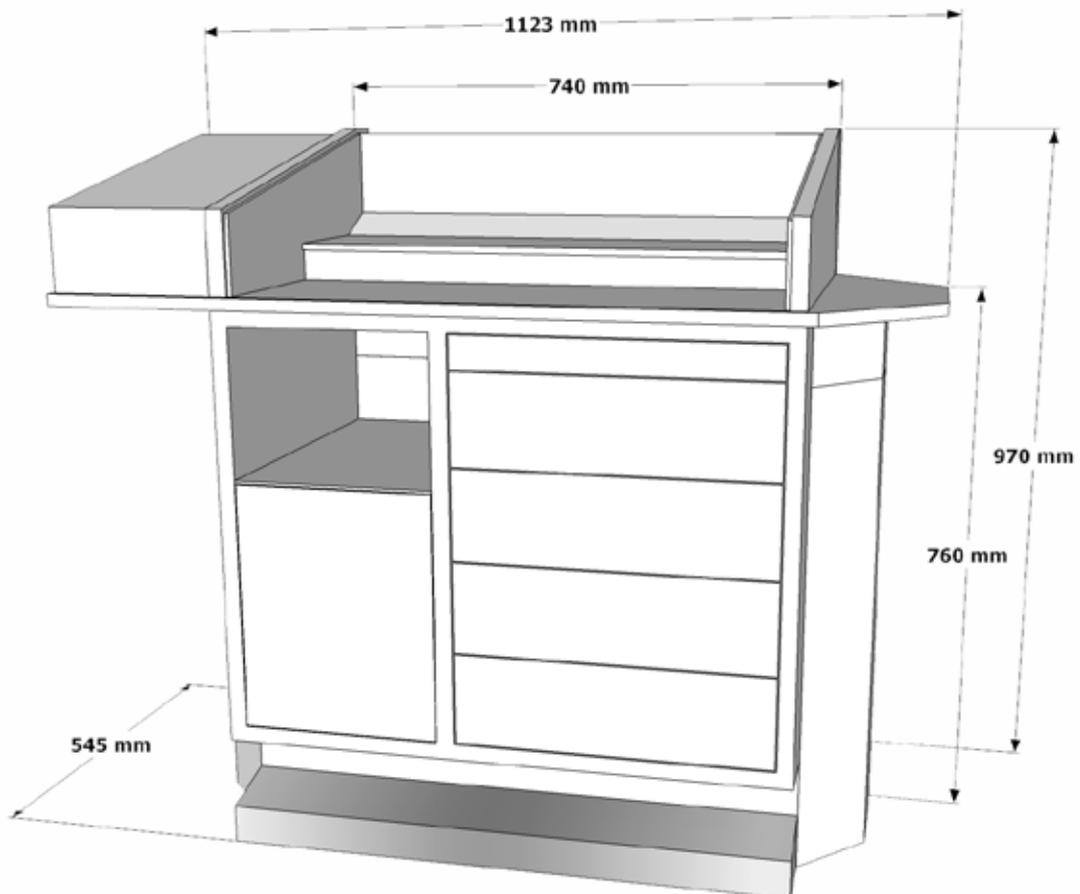*Electronic operating and display system on the right side*

Flat, half-open drawer for instruments

Desk extensions

Dimensions

1123 mm

740 mm

970 mm

760 mm

545 mm

Standard colours (antibacterial coating with fine structure):

RAL 1001 Beige	RAL 1013 Oyster white	RAL 1028 Melon yellow	RAL 3004 Purple red	RAL 3020 Traffic red	RAL 5003 Sapphire blue
RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5017 Traffic blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue	RAL 6029 Mint green
RAL 6034 Pastel turquoise	RAL 7011 Iron grey	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey	RAL 7044 Silk grey
RAL 7045 Telegrau 1	RAL 9006 White aluminium	RAL 9010 Pure white	RAL 9016 Traffic white		

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Technical details:

Mains voltage, mains frequency:	230 V (+/- 10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	IIa
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overfill protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar, autoclavable bacterial filter
Ear irrigation with continuous flow heating (optional):	+37° C +/-1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear irrigation with water heater system (optional):	+37° C +/-1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Heated endoscope holders/ mirror heater (optional):	+37° C ±4° C
Light source, LED (optional):	30 VA, 12 V, 2,000 lm, 5,700° K
Total weight:	approx. 160 kg (depending on equipment)
Dimensions (WxHxD):	1,123 x 970 x 545 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications

MODULA Duo

## Variability and innovation

Variability and innovation

Image does not show standard equipment

Product description

MODULA Duo – this name stands for the flexibility of the construction and an optimal combination of functional components and instrument storage possibilities. The function module and additional cabinet module are connected with a joint. This creates the possibility for adapting the treatment unit individually to suit your treatment position.

The light module is located between the two module parts and houses a modern control and display unit made of glass. It can be equipped with up to 4 LED cold light sources, heatable endoscope holders, quivers for used endoscopes and a holder for flexible endoscopes.
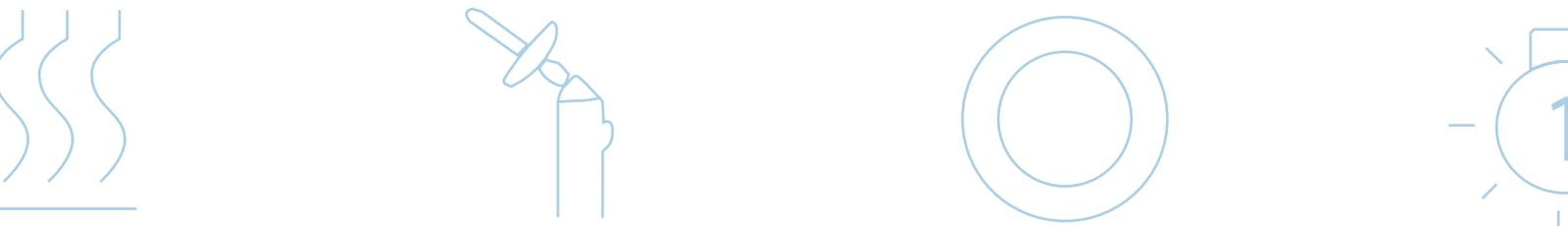
Basic equipment

MODULA Duo
REF: 0100-40000

- High-quality, electrolytically galvanised sheet steel housing
- Stoved enamel antibacterial powder coating in 20 colours
- Mobile unit with stainless steel base, antistatic heavy-duty castors
- Electronic operating and display system: robust, user-friendly touch sensitive glass screen display with function keys
- Instrument holder for irrigation, compressed air and suction handles, swivelling
- Integrated rapid mirror warmer, with fan
- 6 drawers, fully extending with soft close system
- Pull-out writing/preparation desk with stainless steel surface
- 4 quivers for used rigid endoscopes with protective silicone adapter
- 2 instrument levels with stainless steel instrument trays
- Indirect illumination for instrument levels
- Acrylic glass instrument cover, sinkable behind the cabinet
- Stainless steel instrument tray for used instruments with silicone insert
- Waste bin, opening with foot pedal (self-closing)

Image does not show standard equipment

1	Irrigation handle, compressed air sprayer, suction hose	
2	Touch sensitive glass screen display	
3	Instrument trays on up to three levels	
4	LED or halogen cold light sources	
5	Antibacterial tubes with quick connectors	
6	Endoscope quivers	
7	Rinsing system for suction tube	
8	Instrument cabinet	
9	Fully extendable and soft closing drawers	
10	Stainless steel instrument tray	
11	Mirror warmer	
12	Robust design featuring high-quality materials	
13	Waste bin	
14	Upper shelf above instrument level	

Example ENT Workstation

Image does not show standard equipment

1	LED Monitor	**3**	Holder for a head light with HEINE 4ML LED head light
2	Endoscopy camera	**4**	Rigid endoscopes with fibreoptic light cables

Example model versions

Storage compartment instead of one drawer

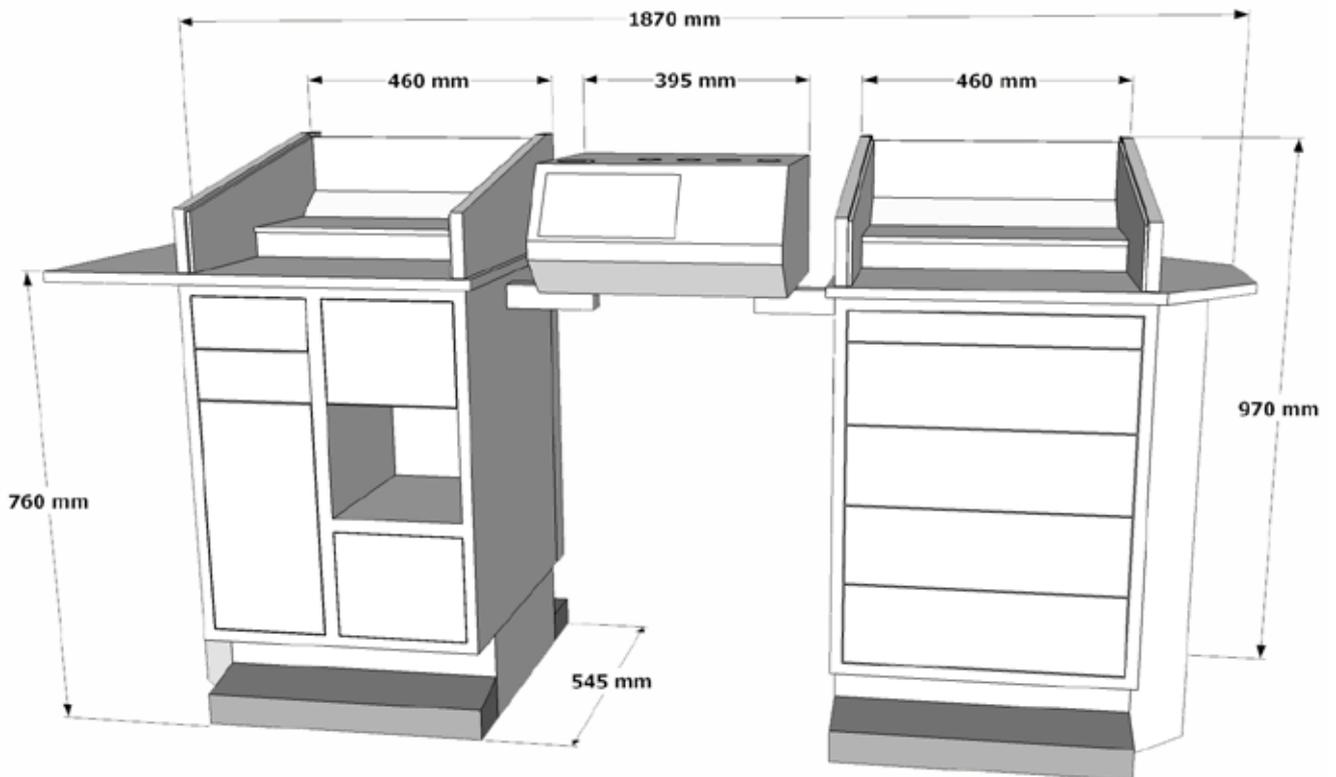*Storage compartment with door (instead of waste bin)*

Integrated cotton wool and tongue swab dispenser

Upper shelf above the instrument level

Dimensions

1870 mm

460 mm   395 mm   460 mm

970 mm

760 mm

545 mm

Standard colours (antibacterial coating with fine structure):

RAL 1001 Beige	RAL 1013 Oyster white	RAL 1028 Melon yellow	RAL 3004 Purple red	RAL 3020 Traffic red	RAL 5003 Sapphire blue
RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5017 Traffic blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue	RAL 6029 Mint green
RAL 6034 Pastel turquoise	RAL 7011 Iron grey	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey	RAL 7044 Silk grey
RAL 7045 Telegrau 1	RAL 9006 White aluminium	RAL 9010 Pure white	RAL 9016 Traffic white		

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Technical details:

Mains voltage, mains frequency:	230 V (+/- 10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	IIa
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overfill protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar, autoclavable bacterial filter
Ear irrigation with continuous flow heating (optional):	+37° C +/-1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear irrigation with water heater system (optional):	+37° C +/-1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Heated endoscope holders/ mirror heater (optional):	+37° C ±4° C
Light source, LED (optional):	30 VA, 12 V, 2,000 lm, 5,700° K
Total weight:	approx. 220 kg (depending on equipment)
Dimensions (WxHxD):	1,870 x 970 x 545 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications

MODULA options

Options for MODULA units	REF	Duo	Europa	Paris	mini
ENT unit with 60 Hz mains frequency for all electrical parts	0110-00010	●	●	●	●
LED instrument illumination with changing RGB colours (red, green, blue) incl. remote control	0110-20010	●	●	●	–
Heatable instrument storage surface (only for the top level respectively)	0110-20020	●	●	●	–
Mirrow warming block for approx. 50 mirrors (not together with REF: 0110-20025 or 0110-20025)	0110-20110	●	●	●	–
Storage compartment for medicament bottles, integrated in the instrument level (not together with REF: 0110-20110)	0110-20025	●	●	●	–
Electronic operating and display system on the right side	0110-20050	–	●	●	–
Upper shelf above instrument level with powder-coated **aluminium shelf** (integrated board surface for devices)	0110-20060	●	●	●	–
Upper shelf above instrument level with matt **acrylic glass shelf** (integrated board surface for devices)	0110-20065	●	●	●	–
Drawers with Tip-On Automatic (instead of standard drawers)	0110-20075	–	●	–	–
Lower shelf (instead of drawer)	0110-21000	●	●	–	●
Compartment for a melamine instrument tray	0110-21100	–	–	–	●
Flat, half-open drawer for instruments	0110-21300	–	●	–	●
Storage compartment with door (instead of waste bin)	0110-21200	●	●	●	–
Cotton wool and tongue swab dispenser (attached on right side of unit)	0110-20130	–	●	●	–
Cotton wool and tongue swab dispenser (integrated in the unit)	0110-20135	●	●	–	–
Desk extension S (approx. 50 cm extension)	0110-20150	–	●	●	–
Desk extension M (approx. 100 cm extension)	0110-20160	–	●	●	–
Desk extension L (approx. 120 cm extension)	0110-20170	–	●	●	–
Desk extension L with sliding keyboard shelf (approx. 120 cm extension)	0110-20175	–	●	●	–
UV-C Hygiene Drawer (instead of standard drawer)	0110-91000	●	●	–	–

Accessories adaptation	REF	Duo	Europa	Paris	mini
Headlamp holder (hook), not automatic (installed on swivel arm)	0110-20081	●	●	●	●
Headlamp holder (hook), not automatic (magnetic)	0110-20084	●	●	●	●
Headlamp holder, height-adjustable and swivelling, not automatic (installation in rear or front Working area)	0110-20083	●	●	●	●
Headlamp holder, switches on/off automatically, height-adjustable and swivelling for cold light headlamps (installation in rear or front Working area)	0110-20080	●	●	●	●
Headlamp holder, switches on/off automatically, height-adjustable and swivelling for CLAR (6) headlamps (installation in rear or front Working area)	0110-20090	●	●	●	●
Holder for camera head (magnetic)	0110-20082	●	●	●	●
Microscope holder for Zeiss Opmi Pico (installation on treatment unit), for microscopes with an integrated light source	0110-70000	●	●	●	—
Microscope holder for Zeiss Opmi Pico (installation on treatment unit), for microscopes with light cable	0110-70050	●	●	●	—
Microscope holder for Kaps SOM-22 microscopes (installation on treatment unit)	0110-70100	●	●	●	—
Monitor holder for 10" to 22" TFT monitor (Installed on microscope column or on the unit)*	0110-71000	●	●	●	—
Swivel arm with storage board, size 2, 312 x 358 mm (installation on microscope column or on the unit)*	0110-71041	●	●	●	—
Swivel arm with storage board, size 1, 268 x 278 mm (installation on microscope column or on the unit)*	0110-71042	●	●	●	—
Monitor holder for MODULA mini (Installation on the left side)	0110-71025	—	—	—	●

*Only one swivel arm on the stand or microscope column respectively

Suction System	REF	Duo	Europa	Paris	mini
Suction with manual suction reservoir: vacuum pump (oil-free, capacity 40 l/min at -0.85 bar), vibration-free bracket for vacuum pump, automatic on/off switch when suction tube is picked up, antibacterial suction tube with quick connector (**no** water connection necessary)	0120-10100	●	●	●	●
"Sekretomatik": vacuum pump (oil-free, capacity 40 l/min at -0.85 bar), automatic suction reservoir with rinsing system, vibration-free bracket for vacuum pump, automatic on/off switch when suction tube is picked up, antibacterial suction tube with quick connector (water connection necessary)	0120-10000	●	●	●	●
Extension for manual suction system for disposable suction bags MEDIVAC (**no** water connection necessary)	0120-10200	●	●	●	●
Extension for manual suction system for disposable suction bags MEDELA (**no** water connection necessary)	0120-10202	●	●	●	●
Extension for manual suction system for disposable suction bags SERRES (**no** water connection necessary)	0120-10205	●	●	●	●
MediVac disposable suction bag with solidifier, 1.5 l (1pc)	0120-10230	●	●	●	●
Medela disposable suction bag with solidifier, 1.5 l (1pc)	0120-10270	●	●	●	●
Serres disposable suction bag with solidifier, 1.0 l (1pc)	0120-10260	●	●	●	●
Disposable tube, 2 m (25 pieces)	0120-10240	●	●	●	●
Increased suction capacity 60 l/min (instead of 40 l/min vacuum pump)	0120-20010	●	●	●	●
Increased suction capacity thanks to very high performance MEDELA vacuum pump incl. vacuum regulator	0120-20020	–	●	–	–
Vacuum regulator for adjustment of suction performance	0120-50000	●	●	●	●
Suction system adaption for connection to central vacuum system (for REF: 0120-10100 or 0120-10200)	0120-10400	●	●	●	●
Suction system adaption for connection to central vacuum system (for REF: 0120-10000)	0120-10450	●	●	●	●
Separate suction tube for the adaptation of spit bowl / ear rinsing bowl with automatic on/off switching when suction tube removed	0120-10500	●	●	●	●
Tube rinsing system for automatic cleaning of the suction tube with system water pressure (only in combination with REF: 0120-10000)	0120-30000	●	●	●	●
Cannula rinsing/ cleaning system via container installed on the side of the unit with disinfectant solution	0120-30030	●	●	●	●
Metal nasal olive for the suction tube, small	0120-50210	●	●	●	●
Metal nasal olive for the suction tube, medium	0120-50220	●	●	●	●
Metal nasal olive for the suction tube, large	0120-50230	●	●	●	●
Fingertips for temporary reduction of suction capacity (100 pieces)	0120-50100	●	●	●	●

Ear rinsing system	REF	Duo	Europa	Paris	mini
+37° C ear irrigation system with continuous flow heating: digital temperature display, irrigation handle with exchangeable cannula, antibacterial handle tube with quick connector incl. aqua-stop valve and connection tubes (water purification filter additionally required)	0130-10000	●	●	●	●
Vestitherm expansion for caloric stimulation in vestibular examinations, temperature can be set from +22° C to +44° C (only in combination with REF: 0130-10000)	0130-11000	●	●	●	●
+37° C autonomous ear irrigation system: water heater, external water tank (5 litres). Independent of domestic water supply, antibacterial handle tube with quick connector (water purification filter additionally required)	0130-12000	●	●	●	●
Ear rinsing bowl, adaptable to connection tube	0130-50000	●	●	●	●
Sink/spit bowl, adaptable to connection tube	0130-50010	●	●	●	●
Strainer for spit bowl	0130-50015	●	●	●	●
Irrigation cannula for irrigation handle, length 40 mm	0130-50027	●	●	●	●
Irrigation cannula for irrigation handle, length 80 mm	0130-50025	●	●	●	●
Irrigation cannula for irrigation handle, length 110 mm	0130-50026	●	●	●	●
Splash guard for irrigation cannula (acrylic glass)	0130-50030	●	●	●	●
Compressed air system	REF	Duo	Europa	Paris	mini
Compressed air unit: compressor (oil-free, 12 l/min, max. 2.5 bar) stainless steel pressure container, chrome-plated compressed air handle, antibacterial handle tube with quick connector incl. 3 medicament sprayer and stainless steel holder for spray bottles	0140-10000	●	●	●	●
Compressed air control valve for fine adjustment (required for Politzer manoeuvre or use on children)	0140-50000	●	●	●	●
Plastic Politzer olives, set with 3 different sizes (small, medium, large)	0140-21300	●	●	●	●
Plastic Politzer olive, small (15 mm)	0140-21301	●	●	●	●
Plastic Politzer olive, medium (18 mm)	0140-21302	●	●	●	●
Plastic Politzer olive, large (22 mm)	0140-21303	●	●	●	●
Medicament sprayer for liquids, complete with sprayer attachment and bottles	0140-60101	●	●	●	●
Medicament sprayer for powders, complete with sprayer attachment and bottles	0140-60102	●	●	●	●
Drug nebuliser for liquids, with detachable and autoclavable front part, 1 pc. (without bottle)	0140-60107	●	●	●	●
Detachable front part for drug nebuliser (only for REF 0140-60107)	0140-60109	●	●	●	●
Nebuliser bottles for liquids, 1 pc.	0140-60104	●	●	●	●
Nebuliser bottles for powder, 1 pc.	0140-60106	●	●	●	●

Cold light system	REF	Duo	Europa	Paris	mini
1 cold light source, LED, 5.700 K color temperature, luminous flux 2.000 lm, Storz connection, intensity regulation	0150-10500	●	●	●	●
2 cold light sources, LED, 5.700 K color temperature, luminous flux 2.000 lm, Storz connection, intensity regulation	0150-10600	●	●	●	●
3 cold light sources, LED, 5.700 K color temperature, luminous flux 2.000 lm, Storz connection, intensity regulation	0150-10700	●	●	●	●
4 cold light sources, LED, 5.700 K color temperature, luminous flux 2.000 lm, Storz connection, intensity regulation	0150-10800	●	●	●	–
Automatic switching of the LED light sources (MODULA Duo up to 4x light sources, Europa, Paris and Mini up to 3x light sources)	0150-20030	●	●	●	●
LED light source output for the head light (only in combination with at least one light source)	0150-10900	–	●	●	–
Cold light source output adapter for WOLF	0150-20400	●	●	●	●
Cold light source output adapter for OLYMPUS	0150-20200	●	●	●	●
Cold light source output adapter for PENTAX	0150-20300	●	●	●	●
Fibreoptic light cable, straight, length = 180 cm (each)	0150-30100	●	–	–	–
Fibreoptic light cable, 90° angled, length = 180 cm (each)	0150-30000	–	●	●	●
Handheld LED cold light source, for direct connection to rigid endoscopes, 4 h operation time	0150-40000	●	●	●	●
Endoscopes storage	**REF**	**Duo**	**Europa**	**Paris**	**mini**
Pre-heated endoscope quiver for sinuscopes (max. Ø 4 mm), 1 pc.	0150-50000	**4***	**4***	**4***	**3***
Pre-heated endoscope quiver for laryngoscopes (max. Ø 11 mm), 1 pc.	0150-50010	**4***	**4***	**4***	**3***
Endoscope quiver for sinuscopes (max. Ø 4 mm), 1 pc.	0150-50100	**4***	**4***	**4***	**3***
Endoscope quiver for laryngoscopes (max. Ø 12 mm), 1 pc.	0150-50110	**4***	**4***	**4***	**3***
Endoscope holder for temporary storage of rigid endoscopes	0150-50300	●	●	●	●
Preparation for the 4th quiver for used rigid endoscopes	0150-50200	–	●	●	–
Quiver for flexible endoscopes with stainless steel holder (3x quivers)	0150-51000	●	●	●	●
Stainless steel holder for max. 3 fibroscope quivers	0150-51050	●	●	●	●
Quiver for flexible fibroscope, 1 pc.	0150-51010	●	●	●	●
Quiver for flexible XION nasopharyngoscopes EF-N series, 1 pc.	0150-51012	●	●	●	●
Quiver for flexible XION video-nasopharyngoscope EV-NE, 1 pc.	0150-51014	●	●	●	●
Holder for quivers for flexible endoscopes (max. 3x quivers)	0150-51050	●	●	●	●

* Maximum possible number of endoscope quivers

Instruments storage	REF	Duo	Europa	Paris	mini
Stainless steel instrument tray for used instruments	0160-12000	●	–	●	–
Silicone insert for instrument tray	0160-11020	●	–	●	–
Splash protection cover for instrument tray	0160-12400	●	–	●	–
Stainless steel cover for instrument tray	0160-12100	●	–	●	–
Melamine instrument tray for used instruments	0160-11000	–	●	–	●
Silicone insert for instrument tray	0160-11030	–	●	–	●
Splash protection cover for instrument tray	0160-12300	–	●	–	●
Stainless steel basket for instrument tray	0160-11010	–	●	–	●
Stainless steel cover for instrument tray	0160-12200	–	●	–	●
Stainless steel cover for instrument tray with apperture	0160-12260	–	●	–	●
Stainless steel spray bottle holder with 3 drug nebulisers (Integration in the bottom level)	0160-21300	●	●	●	–
Stainless steel ear speculum holder, small (3x6)	0160-21000	●	●	●	–
Stainless steel ear speculum holder, medium (4x6)	0160-21010	●	●	●	–
Stainless steel tongue depressor holder, small (3 rows)	0160-21200	●	●	●	–
Stainless steel tongue depressor holder, medium (4 rows)	0160-21210	●	●	●	–

Instrument cabinets HANSEAT

Are you looking for stable, spacious and mobile instrument cabinets or charts? We offer a wide range of instrument cabinets and video charts, which not only have the same design as the MODULA treatment units, but which you can also customize to suit your personal requirements.

All the cabinets and trolleys are composed of a stable, electrolytically galvanised plate housing with powder-coated stoved enamelling. The cabinets are all mobile and equipped with an acrylic glass cover. We offer you every model with basic equipment that you can expand to suit your requirements. Not only can you select the individual components in and on the cabinet however you wish, but you can also even choose the colour of the cabinet (20 RAL colours).

HANSEAT-L
REF: 0300-10100

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty castors
- 4 fully extendable and soft closing drawers
- 2 instrument levels with stainless steel trays
- Melamine instrument tray for used instruments
- Waste bin opened with foot pedal, closes quietly automatically
- Acrylic glass instrument cover, sinkable behind the cabinet
- Pull-out writing/preparation desk with stainless steel surface
- Indirect illumination for instrument levels

HANSEAT-XL
REF: 0300-10000

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty castors
- 4 continuous drawers, fully extending with soft close system
- 2 instrument levels with stainless steel trays
- Acrylic glass instrument cover, sinkable behind the cabinet
- Pull-out writing/preparation desk with stainless steel surface

HANSEAT-M
REF: 0300-20000

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty castors
- 4 fully extendable and soft closing drawers
- 2 instrument levels with stainless steel trays
- Acrylic glass instrument cover, sinkable behind the cabinet

Standard colours (antibacterial coating with fine structure):

RAL 1001 Beige	RAL 1013 Oyster white	RAL 1028 Melon yellow	RAL 3004 Purple red	RAL 3020 Traffic red	RAL 5003 Sapphire blue
RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5017 Traffic blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue	RAL 6029 Mint green
RAL 6034 Pastel turquoise	RAL 7011 Iron grey	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey	RAL 7044 Silk grey
RAL 7045 Telegrau 1	RAL 9006 White aluminium	RAL 9010 Pure white	RAL 9016 Traffic white		

The colours shown here may differ from those on the screen or in print

Technical details:

Mains voltage, mains frequency:	230 V (+/- 10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	IIa
Protection category:	I
Degree of protection:	BF
IP-Code:	IP20
Instrument storage area, pre-heated (option):	+37° C ±4° C
Total weight HANSEAT-L/ XL:	max. 100 kg (depending on equipment)
Total weight HANSEAT-M:	max. 60 kg (depending on equipment)
Dimensions HANSEAT-L/ XL (WxHxD):	1060 x 970 x 545 mm
Dimensions HANSEAT-M (WxHxD):	480 x 970 x 545 mm
Connections:	power cable 2 m
Ambience conditions (transport, storage):	from +5° C to +35° C

Subject to technical modifications

HANSEAT Options

Options	REF	M	L	XL
LED instrument illumination with changing RGB colours (red, green, blue) incl. remote control	0110-20010	●	●	●
Heatable instrument storage surface (only for the top level respectively)	0110-20020	–	●	●
Mirrow warming block for approx. 50 mirrors (not together with REF: 0110-20025 or 0110-20025)	0110-20110	–	●	●
Storage compartment for medicament bottles, integrated in the instrument level (not together with REF: 0110-20110)	0110-20025	●	●	●
Upper shelf above instrument level with powder-coated **aluminium shelf** (integrated board surface for devices)	0110-20060	–	●	●
Upper shelf above instrument level with matt **acrylic glass shelf** (integrated board surface for devices)	0110-20065	–	●	●
Lower shelf (instead of drawer)	0110-21000	●	●	–
Flat, half-open drawer for instruments	0110-21300	●	●	–
Storage compartment with door (instead of waste bin)	0110-21200	–	●	–
Cotton wool and tongue swab dispenser (integrated in the unit)	0110-20135	●	●	–
Desk extension M (approx. 100 cm extension)	0110-20160	●	●	●
Desk extension L (approx. 120 cm extension)	0110-20170	●	●	●
Desk extension L with sliding keyboard shelf (approx. 120 cm extension)	0110-20175	●	●	●
Monitor holder for 10" to 22" TFT monitor (Installed on the unit)	0110-71000	●	●	●
Swivel arm with storage board, size 2, 312 x 358 mm (installation on the unit)	0110-71041	●	●	●
Swivel arm with storage board, size 1, 268 x 278 mm (installation on the unit)	0110-71042	●	●	●

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