B BRAUN
SHARING EXPERTISE

INTERVENTIONAL
VASCULAR
DIAGNOSTICS AND
THERAPY

HEMODYNAMICS

Interventional Vascular Diagnostics and Therapy

PRODUCTS FOR MINIMAL-INVASIVE DIAGNOSTICS AND THERAPY

BALLOON FLOATATION CATHETERS FOR MEASUREMENT OF HEMODYNAMIC PRESSURE AND CARDIAC OUTPUT

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Combitrans®

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Combidyn®

25 Combidyn® Pressure Tubings, DEHP-free PVC

26 Combidyn® Pressure Tubings, Polyethylene

CATHETER INTRODUCER SHEATHS FOR SELDINGER TECHNIQUE

Intradyn®

27 Intradyn® Venous

28 Intradyn® Special Basic Intensive Care Kit

29 Intradyn® accessories

30 Intradyn® Tear Away

ARTERIAL PUNCTURE ACC. TO SELDINGER TECHNIQUE

Arteriofix

31 Arteriofix Catheter Kits, arterial

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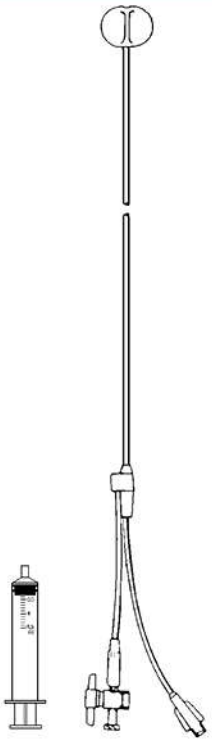
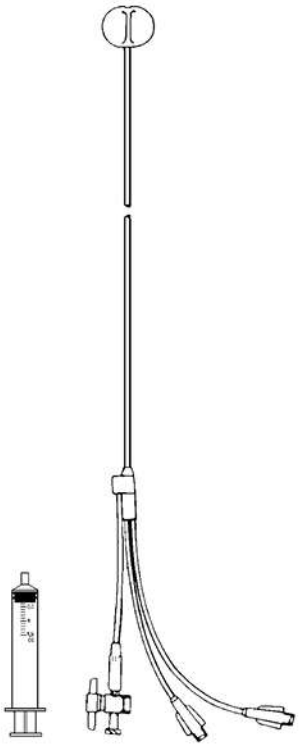
Corodyn P1/P2

BALLOON FLOATATION CATHETERS MADE OF POLYURETHANE (PUR)



	Corodyn P1/P2	Code-Number	Sales unit-pcs.
	Balloon floatation catheters for hemodynamic pressure measurement – catheter length 110 cm – catheter marking every 100 mm from the catheter tip as an indicator of depth of introduction and position of catheter – radiopaque		
	Corodyn P1		
	Balloon floatation catheter with distal lumen – made of PUR		
	F5	**5011590**	5
	F6	**5011698**	5
	F7	**5011795**	5



	Corodyn P2		
	Balloon floatation catheter with two lumina for simultaneous pressure measurement and application of infusions or medications – made of PUR – distance between exit port and catheter tip 19 cm		
	F7	**5021740**	5

Corodyn TD/TD-I

THERMODILUTION CATHETERS WITH BALLOON MADE OF POLYURETHANE (PUR)

Corodyn TD

Thermodilution catheter with balloon for measurement of hemodynamic pressure and cardiac output
- catheter (4 lumina) with lumen for injection of a cold bolus and distal lumen for pressure measurement
- catheter length 110 cm
- thermistor, 35 mm from catheter tip
- catheter marking every 100 mm from the catheter tip as an indicator of depth of introduction and position of catheter
- radiopaque
- special three-pin plug connector for all standard computers and patient monitors
- made of PUR

Corodyn TD

	Code-Number	Sales unit-pcs.
F5	**5041406**	5
F6	**5041414**	5
F7	**5041422**	5
F7, S-Tip	**5041945**	5

Corodyn TD-I

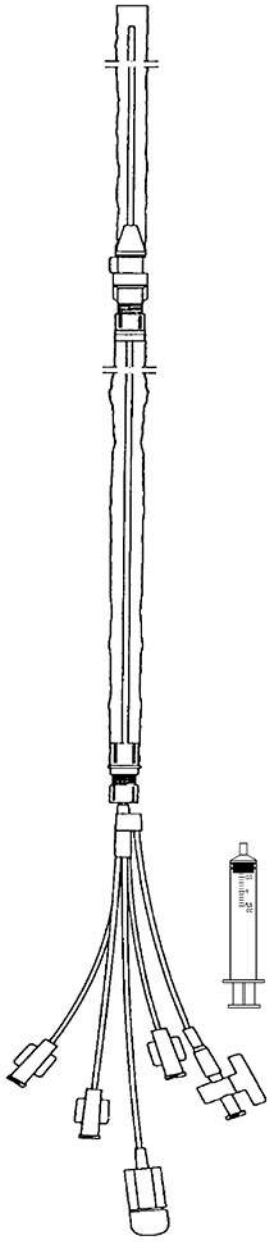
Thermodilution catheter with 5 lumina
- same catheters as Corodyn TD but with additional lumen for simultaneous pressure measurement resp. for the application of infusions or medications

Corodyn TD-I

	Code-Number	Sales unit-pcs.
PUR, F 7,5	**5041856**	5

Corodyn touch-free

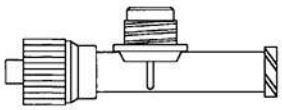
THERMODILUTION CATHETERS WITH BALLOON MADE OF POLYURETHANE (PUR)



Corodyn TD touch-free	Code-Number	Sales unit-pcs.
Thermodilution catheter with balloon for measurement of hemodynamic pressure and cardiac output		
Catheter with touch-free contamination guard – catheter contamination guard (110 cm) – test chamber – special connection of the contamination guard to the sheath		
Corodyn TD catheter – catheter (4 lumina) with lumen for injection of a cold bolus and distal lumen for pressure measurement – catheter length 110 cm – thermistor, 35 mm from catheter tip – catheter marking every 100 mm from the catheter tip as an indicator of depth of introduction and position of catheter – radiopaque – special three-pin plug connector for all standard computers and patient monitors – made of PUR		
Corodyn TD touch-free		
F7	5040035	5
Corodyn TD-I touch-free Thermodilution catheter with 5 lumina – same catheter as Corodyn TD but with additional lumen for the application of infusions and medications		
Corodyn TD-I touch-free		
F7.5	5040043	5

Corodyn

ACCESSORIES

		Code-Number	Sales unit-pcs.
	**Closed Injectate Delivery System for measurement of cardiac In-line temperature probe** For in-line injectate temperature sensing at catheter injection site, sterile – with screw connection – with snap lock		
	with screw connection	**680006**	25
	with snap lock	**93505**	8

Corodyn

BALLOON FLOATATION CATHETERS TECHNICAL DATA

Catheter	French size	B. Braun Introducer	Length	Maximum Balloon Capacity	Inflated Balloon Diameter	Recommended Guide wire	Distance between Exit Port and Tip	Inner Diameter of Distal Opening
Corodyn P1	F5	F5	110 cm	0.75 cm^3	8 mm	0.025"		0.025"
	F6	F6	110 cm	1.25 cm^3	10 mm	0.025"		0.030"
	F7	F7	110 cm	1.50 cm^3	12 mm	0.038"		0.039"
Corodyn P2	F7	F7	110 cm	1.50 cm^3	12 mm	0.018"	19 cm	0.019"

Catheter	French size	B. Braun Introducer	Length	Maximum Balloon Capacity	Inflated Balloon Diameter	Recommended Guide wire	Distance betw. Injection Lumen and Tip	Distance betw. Infusion Lumen and Tip	Distance Thermistor cm	Inner Diameter of Distal Opening
Corodyn TD	F5	F5	110 cm	0.75 cm^3	8 mm	0.018"	29 cm		3.5	0.019"
	F6	F6	110 cm	1.25 cm^3	10 mm	0.025"	29 cm		3.5	0.025"
	F7	F7	110 cm	1.50 cm^3	12 mm	0.025"	29 cm		3.5	0.030"
Corodyn TD-I	F7,5	F8	110 cm	1.50 cm^3	12 mm	0.025"	29 cm	31 cm	3.5	0.030"

Length marking every 100 mm from the catheter tip.

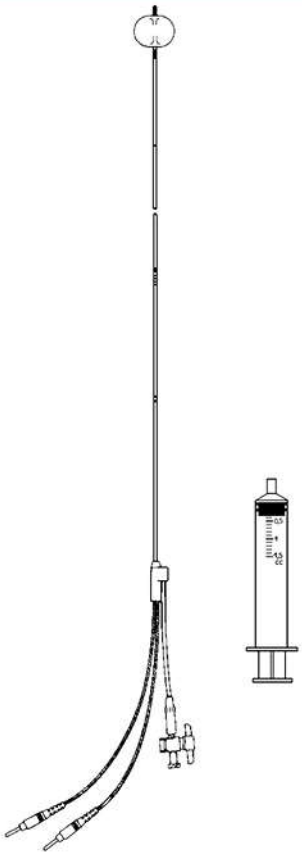
Catheter computation constants

Injectate Temperature (°C)		0 °C - 5 °C			23 °C - 25 °C		
Injectate Volume (cm3) (VI)		3	5	10	3	5	10
Computation constants (k)	5 FR., 100 cm	0.144	0.239	0.481	0.146	0.246	0.489
	6 FR, 100 cm	0.158	0.268	0.547	0.163	0.277	0.558
	7 FR, 110 cm	0.160	0.274	0.561	0.162	0.278	0.558
	7.5 F, 110 cm	0.160	0.274	0.561	0.162	0.278	0.558
	8 F, 110 cm	0.160	0.274	0.561	0.162	0.278	0.558

$$k = \frac{(1.08)(C_T)60(V_I)}{1000}$$

Eledyn

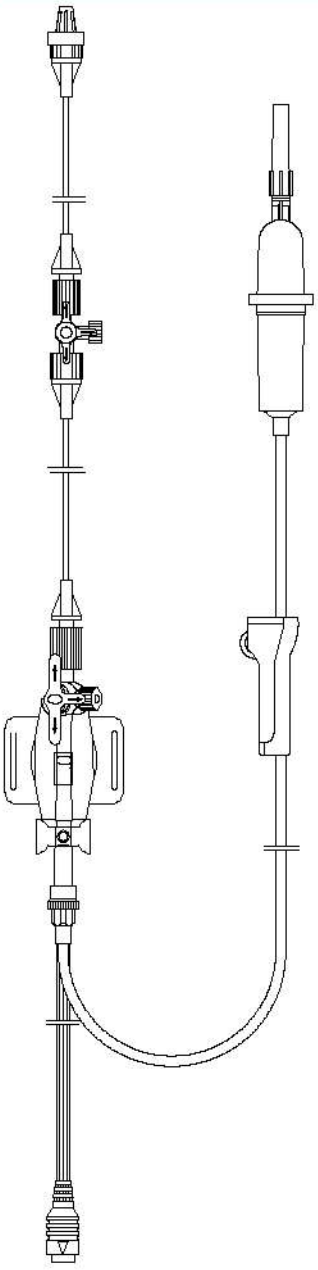
BIPOLAR TEMPORARY BALLOON PROBE FOR ANAESTHESIA AND INTENSIVE CARE



	Eledyn	Code-Number	Sales unit-pcs.
	Bipolar temporary balloon probe for transvenous heart stimulation – catheter material: Polyurethane (PUR) – the use of stainless steel for electrode rings and wires avoids formation of galvanic elements – stainless steel, gold-plated 2 mm pins ▪ **stimulation probe** 110 cm – catheter marking every 100 mm from the tip of the probe as an indicator of depth of introduction and position of the probe – bipolar ▪ **electrodes** – electrode length 3 mm – electrode distance 10 mm – radiopaque ▪ **with floatation balloon** ▪ **Omnifix® Lock** – disposable syringe – with plunger stop for exact volume of air / CO_2 for balloon inflation – for connection to balloon lumen with stopcock		
	Eledyn stimulation probe with balloon F5	**5101506**	5
	Add-ON kit for Eledyn – 1 Contamination guard – 4 Gauze pads 10 x 10 cm, 8-ply – 1 Safety Cutfix scalpel Fig. E11 – 1 Seldinger puncture needle 1.3 x 70 mm, light pink – 1 Guide wire J3 SFU70-035 in dispenser and with a straightener – 1 Intradyn® venous hemostasis introducer F6 with a stop cock		
	Add-ON set for Eledyn F5	**5150021**	10
	Add-ON set for Eledyn F6	**5150020**	10
	EasyConnect Adapter Kit – 2 mm screw-in pin adapter to conect shrouded 2 m connector pins		
	EasyConnect Adapter Kit	**509-393**	1

Combitrans®

MONITORING KITS WITH DISPOSABLE TRANSDUCER BASIC KITS



Combitrans®	Code-Number	Sales unit-pcs.

Monitoring kit with disposable transducer for physiological pressure measurement

Combitrans® Monitoring kit

- **Intrafix M**
  - special administration kit for pressure measurement
- **Combitrans® flush device**
  - quick flush rate ≥ 1 ml/s
  - continuous flush rate 3 ml/h at 300 mmHg
- **Combitrans® disposable transducer**
  - compact and 100 % tested unit with excellent pressure transmission
  - can be used in combination with all CF-class monitors
  - adapts to interface cable with plug connection
  - modern chip technology for an accurate registration of values
  - precalibrated sensor with constant electrical parameters (sensitivity, linearity, zero stability)
  - straight fluid channel for an easy air-bubble free filling
- **Discofix-3**
  - 2 three-way stopcocks red (arterial), blue (venous) or yellow (pulmonary arterial)
- **Combidyn® pressure tubing** 125 cm
  - ø 1.5 x ø 2.7 mm
  - with red (arterial), blue (venous) or yellow (pulmonary arterial) stripe
- **Combidyn® pressure tubing** 20 cm
  - ø 1.5 x ø 2.7 mm
  - with red (arterial) stripe, blue (venous) or yellow (pulmonary arterial) stripe

Combitrans® Monitoring kit

red (arterial)	**5202620-1**	20
blue (venous)	**5202604-1**	20
yellow (pulmonary arterial)	**5202617**	20

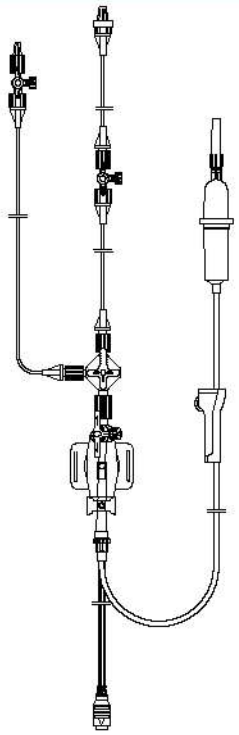
Combidyn® pressure tubing with three-way stopcock

- pressure tubing, red, ø 1.5 mm x ø 2.7 mm, 20 cm
- connected three-way stopcock, red

Combidyn® pressure tubing with three-way stopcock	**5208599**	50

Exadyn-Combitrans®

MONITORING KITS WITH DISPOSABLE TRANSDUCER



Exadyn-Combitrans®	Code-Number	Sales unit-pcs.

Monitoring kit with disposable transducer for measurement of arterial pressure and CVP (central venous pressure)

Exadyn-Combitrans® Monitoring kit

- **Intrafix M**
  - special administration kit for pressure measurement
- **Combitrans® flush device**
  - quick flush rate ≥ 1 ml/s
  - continuous flush rate 3 ml/h at 300 mmHg
- **Combitrans® disposable transducer**
  - compact and 100 % tested unit with excellent pressure transmission
  - can be used in combination with all CF-class monitors
  - adapts to interface cable with plug connection
  - modern chip technology for an accurate registration of values
  - precalibrated sensor with constant electrical parameters (sensitivity, linearity, zero stability)
  - straight fluid channel for an easy air-bubble free filling
- **Discofix-3**
  - 2 three-way stopcocks red handle (arterial)
  - 1 three-way stopcock blue handle (venous)
- **Combidyn® pressure tubing** 125 cm
  - ø 1.5 x ø 2.7 mm
  - with red (arterial) or blue (venous) stripe
- **Combidyn® pressure tubing** 20 cm
  - ø 1.5 x ø 2.7 mm
  - with red (arterial) stripe
- **Exadyn special 90° stopcock**
  - 90° two-way safety stopcock for switch between arterial and venous measurement
  - no shunts possible

Exadyn-Combitrans® Monitoring kit	**5202507-0**	20

Exadyn-Combitrans® Monitoring kit PVC-free

Monitoring kit with disposable transducer for measurement of arterial pressure and CVP

- same configuration as above, however, **all components PVC-free** for active environmental protection

PVC free

Exadyn-Combitrans® Monitoring kit PVC-free	**5212391**	20

Exadyn-Combitrans® Monitoring kit long tubings

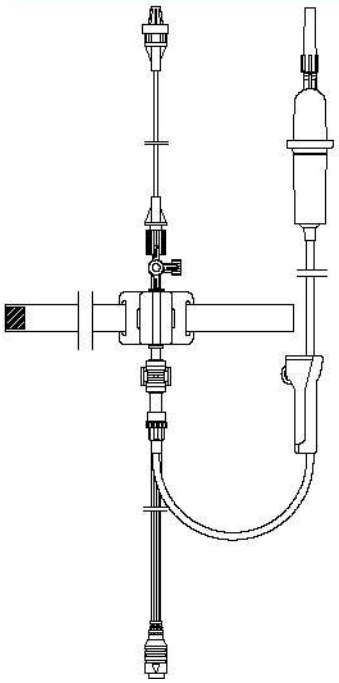
Monitoring kit with disposable transducer and long tubings for measurement of arterial pressure and CVP

- same configuration as above, but with 200 cm long tubings instead of 125 cm

Exadyn-Combitrans® Monitoring kit long tubings	**5206994**	20

Combitrans® Special

MONITORING KITS WITH DISPOSABLE TRANSDUCER CUSTOMIZED KIT SOLUTIONS



Create your individual Combitrans® monitoring kit for invasive pressure measurement

Individual and user-friendly solutions are combined with economical and ecological advantages:

1. Service through sales representative:
Demand analysis - kit proposal - sample and individual kit configuration according to your requirements - offer

2. Customized and user-friendly:
Your made-to-order solution out of our large B. Braun product portfolio - reduction of preparation time - designed and packaged due to customer specification - one order number

3. Economical:
Standardization of work practices - relief of clinic personnel - easy material management - less money tight up for storage - less administration

4. Ecological:
Reduced packaging volume and waste - easy disposal

Components:
- Intrafix „M" special administration kit 150 cm
- Combitrans® flush device 3ml/h
- Combitrans® disposable transducer
- Discofix three-way stopcock, red
- Discofix three-way stopcock, white
- Combidyn® pressure tubing, red, 1.5 x 2.7 x 300 mm
- fixation tape 1.5 cm x 40 cm, velcro

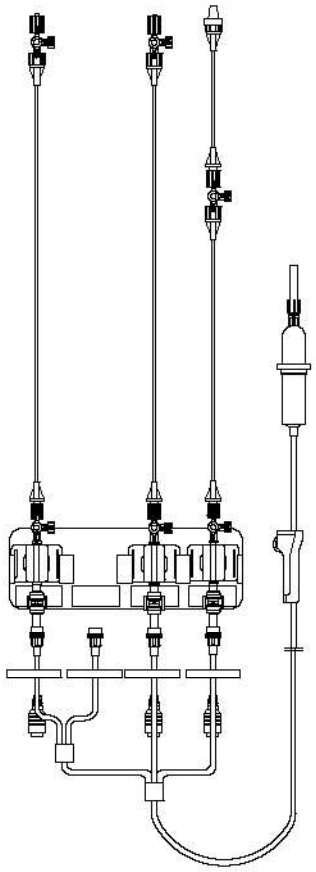
Combitrans® Monitoring Kit „Fixation tape"
Monitoring kit to fix the transducer at the patient's arm.

- easy patient care, especially in intensive care units due to a short and direct connection between transducer and puncture site
- less dead volume in the pressure tubing
- less tubing in working area

	Code-Number	Sales unit-pcs.
Combitrans® Monitoring Kit "fixation tape"	**5216200**	20

Combitrans® Special

MONITORING KITS WITH DISPOSABLE TRANSDUCER CUSTOMIZED KIT SOLUTIONS



Combitrans® Monitoring Double Kit (without illustration)
- Intrafix special administration kit, double
- two Combitrans® disposable transducers with flush device 3 ml/h and Discofix three-way stopcock (red and blue)
- two Combidyn® pressure tubing 125 cm (red and blue)
- two Discofix three-way stopcocks (red and blue)
- Combidyn® 20 cm red as arterial extention

Combitrans® Monitoring Double Kit (without illustration)

	Code-Number	Sales unit-pcs.
without attachment plate	**5201152**	20
with attachment plate	**5200830**	20

Combitrans® Monitoring Triple Kit (without illustration)
Same as Combitrans® monitoring double kit but with
- Intrafix special administration kit, triple
- additional Combitrans® disposable transducer with flush system and Discofix three-way stopcock yellow
- Combidyn® pressure tubing 125 cm yellow connected with Discofix three-way stopcock yellow
- mounted on a quadruple plate

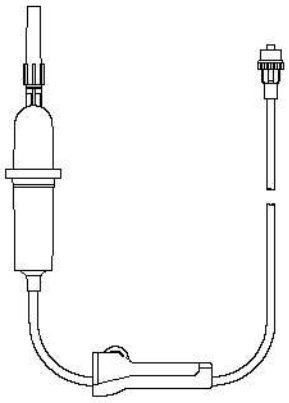
Combitrans® Monitoring triple kit (without illustration)	**5200849**	20

Combitrans Monitoring Add-ON Set
- Add-ON for double and triple plus kits
- transducer with flush device 3ml/h
- stopcock in white
- Combidyn® tube 125 cm transparent

Combitrans® Monitoring Add-ON Set (without illustration)	**5207167**	20

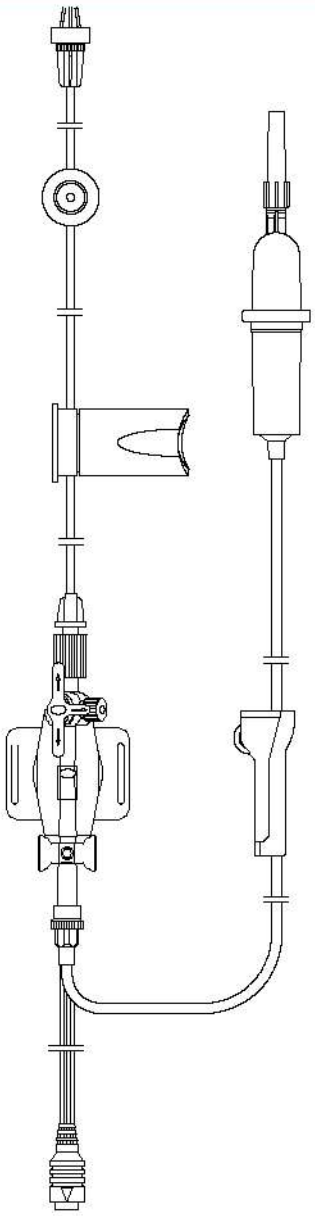
Combitrans® / Intrafix M

DISPOSABLE TRANSDUCER / INFUSION DEVICE

	Combitrans®	Code-Number	Sales unit-pcs.
	Disposable transducer for physiological pressure measurement – can be used in combination with all CF-class monitors – adapts to interface cable with plug connection – modern chip technology for an accurate registration of values – precalibrated sensor with constant electrical parameters (sensitivity, linearity, zero stability) – straight fluid channel for an easy air-bubble free filling		
	Combitrans® disposable transducer	**5203660**	20
	**Intrafix M** – special administration kit for pressure measurements – plastic spike in accordance with ISO – dropper in accordance with DIN 58362-1, 20 drops = 1 ml ± 0.1 – flexible lower section of drip chamber permits rapid adjustment of fluid level – 15 µm fluid filter in accordance with DIN 58362/1 – tubing length approx. 180 cm – roller clamp – lock-fitting		
	Intrafix M	**40700380**	100

Haemofix®-Combitrans®

MONITORING KIT WITH DISPOSABLE TRANSDUCER FOR CLOSED BLOOD-SAMPLING



Haemofix®-Combitrans®, arterial

Monitoring kit with disposable transducer for physiological pressure measurement and closed blood sampling

Complete System
- integrated reservoir and port for closed blood sampling
- low risk of contamination is achieved with minimum blood waste

Haemofix®-Combitrans® Monitoring Kit
- Intrafix "M" administration kit
- Combitrans® flush device 3ml/h
- Combitrans® disposable transducer
- Discofix three-way stopcock, red
- Combidyn® pressure tubing 1.5 x 2.7 x 1800 mm red with integrated Haemofix® reservoir 5 ml (20 cm prior to transducer) and blood sampling port (30 cm prior to distal end)

	Code-Number	Sales unit-pcs.
Haemofix®-Combitrans® Monitoring Kit, arterial	**5213505**	20

Haemofix®-Exadyn Monitoring Kit (without illustration)
Same configuration as 5213505 but with the option to switch between arterial pressure and CVP.

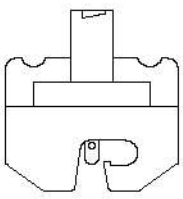
Additional components:
- Exadyn special 90° stopcock
- Combidyn® pressure tubing 1.5 x 2.7 x 1500 mm, blue
- Discofix three-way stopcock, blue

Haemofix®-Exadyn Monitoring Kit (without illustration)	**5213516**	20

Haemofix®-Combitrans® Monitoring Kit double (without illustration)
Same configuration as 5213505 but with a second venous line, which allows the simultaneous measurement of two pressures.

Additional components:
- Combitrans® disposable transducer with flush device 3ml/h and Discofix three-way stopcock blue
- Combidyn® pressure tubing 1.5 x 2.7 x 1500 mm, blue
- Discofix three-way stopcock, blue

Haemofix®-Combitrans® Monitoring Kit double (without illustration)	**5213527**	20

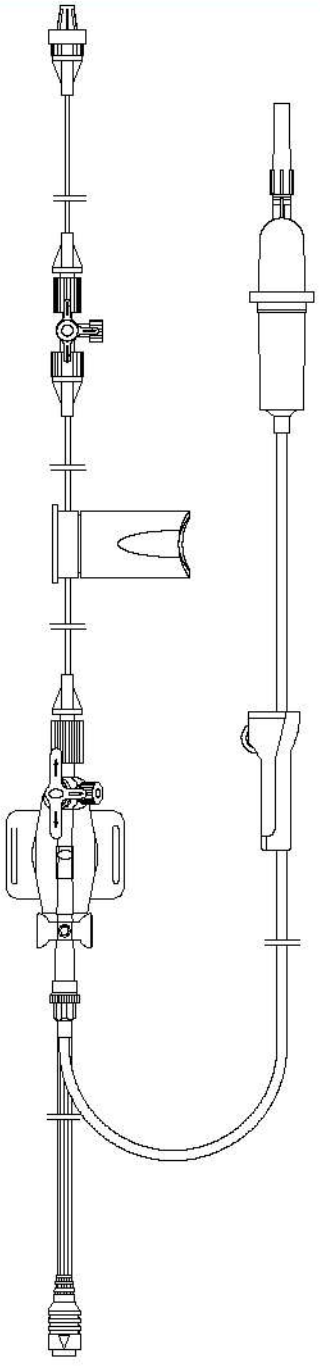


Blood sampling adapter
- for needle-free blood sampling with blunt, concealed cannula
- single, sterile packaging
- Luer Lock

Blood sampling adapter Luer	**5213940**	70

Haemofix®-Combitrans®

MONITORING KIT WITH DISPOSABLE TRANSDUCER FOR CLOSED BLOOD-SAMPLING VIA STOPCOCK



Haemofix®-Combitrans®, arterial	Code-Number	Sales unit-pcs.

Monitoring kit with disposable transducer for physiological pressure measurement and closed blood sampling

Complete System
- integrated reservoir and port for closed blood sampling
- low risk of contamination is achieved with minimum blood waste

Haemofix®-Combitrans® Monitoring Kit
- Intrafix "M" administration kit
- Combitrans® flush device 3ml/h
- Combitrans® disposable transducer
- Discofix three-way stopcock, red
- Combidyn® pressure tubing 1.5 x 2.7 x 1700 mm red with integrated Haemofix® reservoir 5 ml (20 cm prior to transducer) and blood sampling stopcock

Haemofix®-Combitrans® Monitoring Kit, arterial	**5200182**	20

Haemofix®-Exadyn Monitoring Kit (without illustration)
Same configuration as 5200182 but with the option to switch between arterial pressure and CVP.

Additional components:
- Exadyn special 90° stopcock
- Combidyn® pressure tubing 1.5 x 2.7 x 1250 mm, blue
- Discofix three-way stopcock, blue

Haemofix®-Exadyn Monitoring Kit (without illustration)	**5200183**	20

Haemofix®-Combitrans® Monitoring Kit double (without illustration)
Same configuration as 5200182 but with a second venous line, which allows the simultaneous measurement of two pressures.

Additional components:
- Combitrans® disposable transducer with flush device 3ml/h and Discofix three-way stopcock blue
- Combidyn® pressure tubing 1.5 x 2.7 x 1250 mm, blue
- Discofix three-way stopcock, blue

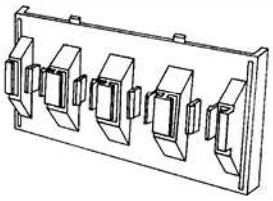
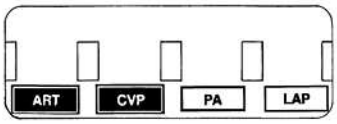
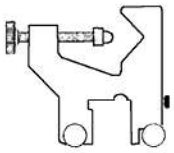
Haemofix®-Combitrans® Monitoring Kit double (without illustration)	**5200181**	20

Blood sampling stopcock
- for needle-free blood sampling

Blood sampling stopcock	**5200411**	25

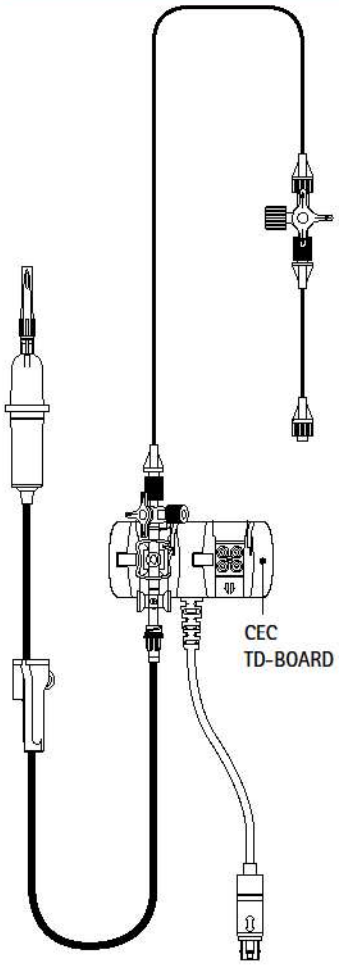
Combitrans®

ATTACHMENT PLATES/ACCESSORIES

		Code-Number	Sales unit-pcs.
	**Combitrans® attachment plate for Siemens SC 9000** – exchange plate for integration into the Hemo-module of the patient monitor Siemens SC 9000 – for four Combitrans® disposable transducers		
	Combitrans® attachment plate for Siemens SC 9000	**5208741**	1
	**Combitrans® attachment plate** – for vertical attachment to infusion stand		
	Combitrans® attachment plate, quadruple	**5203597**	1
	Combitrans® attachment plate, double	**5214696**	1
	**Combi-holder for Combitrans® attachment plate** – for attachment to infusion stand		
	Combi-holder for Combitrans® attachment plate	**4086007**	1

Combitrans® Easy Click

MONITORING KITS WITH DISPOSABLE TRANSDUCER BASIC KITS



Combitrans® EC

Complete system
- easy click design

Combitrans® EC Monitoring Kit
- **Intrafix® M**
  - special giving kit for pressure measurement
- **Combitrans® flush device**
  - quick flush rate ≥ 1 ml/s
  - continuous flush rate 3 ml/h at 300 mmHg
- **Combitrans® EC disposable transducer**
  - compact and 100 % tested unit with excellent pressure transmission
  - can be used in combination with all CF-class monitors
  - modern chip technology for an accurate registration of values
  - precalibrated sensor with constant electrical parameters (sensitivity, linearity, zero stability)
  - straight fluid channel for an easy air-bubble free filling
  - cableless transducer subassembly
- **Discofix®-3**
  - 2 three-way stopcocks red (arterial), blue (venous) or yellow (pulmonal arterial)
- **Combidyn® pressure tube 125 cm**
  - ø 1.5 x ø 2.7 mm
  - with red (arterial), blue (venous) or yellow (pulmonal arterial) stripe
- **Combidyn® pressure tube 20 cm**
  - ø 1.5 x ø 2.7 mm
  - with red (arterial) stripe, blue (venous) or yellow (pulmonal arterial) stripe

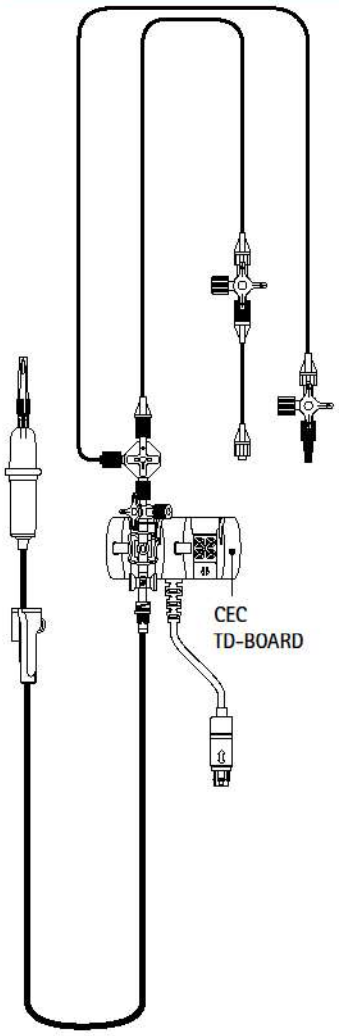
Combitrans® EC Monitoring Kit

	Code-Number	Sales unit-pcs.
red (arterial)	**5319289**	20
blue (venous)	**5319290**	20

Exadyn-Combitrans® Easy Click

MONITORING SETS WITH DISPOSABLE TRANSDUCER

	Exadyn-Combitrans® EC	Code-Number	Sales unit-pcs.



Monitoring kit with disposable transducer for measurement of arterial pressure and CVP

Exadyn-Combitrans® EC Monitoring kit

- **Intrafix® M**
  - special giving kit for pressure measurement
- **Combitrans® flush device**
  - quick flush rate ≥ 1 ml/s
  - continuous flush rate 3 ml/h at 300 mmHg
- **Combitrans® EC disposable transducer**
  - compact and 100 % tested unit with excellent pressure transmission
  - can be used in combination with all CF-class monitors
  - modern chip technology for an accurate registration of values
  - precalibrated sensor with constant electrical parameters (sensitivity, linearity, zero stability)
  - straight fluid channel for an easy air-bubble free filling
  - cableless transducer subassembly
- **Discofix®-3**
  - 2 three-way stopcocks red handle (arterial)
  - 1 three-way stopcock blue handle (venous)
- **Combidyn® pressure tube 125 cm**
  - ø 1.5 x ø 2.7 mm
  - with red (arterial) or blue (venous) stripe
- **Combidyn® pressure tube 20 cm**
  - ø 1.5 x ø 2.7 mm
  - with red (arterial) stripe
- **Exadyn special 90° stopcock**
  - 90° two-way safety stopcock for switch over between arterial and venous measurement

Exadyn-Combitrans® EC Monitoring Kit

Combitrans® EC Exadyn Monitoring Kit (arterial + venous pressure)	**5318575**	20

Combitrans® Easy Click Special

MONITORING KIT WITH DISPOSABLE TRANSDUCER

		Code-Number	Sales unit-pcs.
	Combitrans® EC Monitoring Double Kit – Intrafix® special giving kit, double – two Combitrans® EC disposable transducer assemblies with flush device 3 ml/h and Discofix® three-way stopcock (red and blue) – two Combidyn® pressure tubes 150 cm (red and blue) – two Discofix® three-way stopcocks (red and blue) – Combidyn® 20 cm red as arterial extention		
	Combitrans® EC Monitoring double kit – red/blue	**5318762**	20
	Combitrans® EC Monitoring Triple Kit (no illustration) Same as Combitrans® EC monitoring double kit but with – Intrafix® special giving kit, triple – additional Combitrans® disposable transducer with flush system and Discofix® three-way stopcock yellow – Combidyn® pressure tube 125 cm yellow		
	Combitrans® EC Monitoring triple kit – red/blue/yellow	**5318768**	20
	Combitrans® EC Monitoring Kit Add-ON Additional set for Monitoring Kit 2 Plus and 3 Plus – Combitrans® EC disposable transducer with flush device 3ml/h – Discofix® three-way stopcock white – Combidyn® pressure tubing 125 cm transparent		
	Combitrans® EC Monitoring single kit Add-ON	**5318776**	20

Haemofix®-Combitrans® Easy Click

MONITORING KIT WITH DISPOSABLE TRANSDUCER INCLUDING CLOSED BLOOD SAMPLING SYSTEM

		Code-Number	Sales unit-pcs.
	Haemofix®-Combitrans® EC Monitoring Kit arterial – Combitrans® disposable transducer with flush device 3ml/h and closed blood sampling system – Combidyn® pressure tubing 20 cm red as arterial extention		
	Haemofix®-Combitrans® EC Monitoring kit, arterial	**5319295**	20
	Haemofix®-Combitrans® EC Monitoring Double Kit - Combitrans® EC disposable tranceducer assembly with flush device and closed blood sampling system – Intrafix® special giving kit, double – Combitrans® EC disposable transducer assembly with flush device 3 ml/h and Discofix® three-way stopcock (blue) – Combidyn® pressure tubes 150 cm (blue) – Discofix® three-way stopcocks (blue) – Combidyn® 20 cm red as arterial extention		
	Combitrans® EC Monitoring double kit	**5319305**	20
	Haemofix®-Combitrans® EC Exadyn Monitoring Kit - Monitoring set with 90° two-way safety stopcock to switch between arterial and venous presure measurments		
	Combitrans® EC Monitoring kit – red	**5319300**	20
	Blood sampling stopcock – for needle-free blood sampling		
	Blood sampling stopcock	**5200411**	25

Combitrans® Easy Click

TRANSDUCER BOARDS

	Code-Number	Sales unit-pcs.
Transducer Boards with standard hub		
CEC TD-BOARD,1-fold	5225000	1
CEC TD-BOARD, 2-fold	5225005	1
CEC TD-BOARD, 3-fold	5225010	1
CEC TD-BOARD, 4-fold	5225015	1
Transducer Boards with integrated monitor hub		
CEC TB+Cable Datascop IABP, 1-fold	5225035	1
CEC TB+Cable DATEX, 2-fold	5225190	1
CEC TB+Cable DATEX, 4-fold	5225195	1
CEC TB+Cable DRÄGER 7, 2-fold	5225170	1
CEC TB+Cable DRÄGER 7, 4-fold	5225175	1
CEC TB+Cable DRÄGER 10, 2-fold	5225020	1
CEC TB+Cable DRÄGER 10, 4-fold	5225025	1
CEC TB+Cable DRÄGER QUADHAEM 2-F	5225205	1
CEC TB+Cable DRÄGER QUADHAEM 4-F	5225210	1
CEC TB+Cable Hemopod, 2-fold	5225040	1
CEC TB+Cable Hemopod, 4-fold	5225045	1
CEC TB+Cable Honeywell 7 2-fold	5225240	1
CEC TB+Cable Honeywell 7 4-fold	5225245	1
CEC TB+Cable Honeywell 10 2-fold	5225250	1
CEC TB+Cable Honeywell 10 4-fold	5225255	1
CEC TB+Cable HP, 2-fold	5225180	1
CEC TB+Cable HP, 4-fold	5225185	1
CEC TB+Cable Med. Physio Contr.,1-fold	5225030	1
CEC TB+Cable METEK 2-fold	5225155	1
CEC TB+Cable Marquette 2-fold	5225160	1
CEC TB+Cable Marquette 4-fold	5225165	1
CEC TB+Cable Nihon Koden 5 2-fold	5225220	1
CEC TB+Cable Nihon Koden 5 4-fold	5225225	1
CEC TB+Cable Nihon Koden 14 2-fold	5225230	1
CEC TB+Cable Nihon Koden 14 4-fold	5225235	1
CEC TB+Cable SW EVO SUP, 2-fold	5225200	1

Combitrans® Easy Click

CONNECTION CABLES

		Code-Number	Sales unit-pcs.
	Connection Cables		
	CEC Cable Datascope 2-fold	5225305	1
	CEC Cable DATEX, 2-fold	5225110	1
	CEC Cable DATEX, 3-fold	5225115	1
	CEC Cable DATEX, 4-fold	5225120	1
	CEC Cable GE/Marquette 2-fold	5225065	1
	CEC Cable GE/Marquette 3-fold	5225070	1
	CEC Cable GE/Marquette 4-fold	5225075	1
	CEC Cable HELLIGE 2-fold	5225310	1
	CEC Cable Honeywell 7 2-fold	5225280	1
	CEC Cable Honeywell 7 4-fold	5225285	1
	CEC Cable Honeywell 10 2-fold	5225290	1
	CEC Cable Honeywell 10 4-fold	5225295	1
	CEC Cable HP/Philips 2-fold	5225050	1
	CEC Cable HP/Philips 3-fold	5225055	1
	CEC Cable HP/Philips 4-fold	5225060	1
	CEC Cable METEK 2-fold	5225140	1
	CEC Cable Nihon Koden 5 2-fold	5225260	1
	CEC Cable Nihon Koden 5 4-fold	5225265	1
	CEC Cable Nihon Koden 14 2-fold	5225270	1
	CEC Cable Nihon Koden 14 4-fold	5225275	1
	CEC Cable SIEMENS7/DRÄGER, 2-fold	5225095	1
	CEC Cable SIEMENS7/DRÄGER, 3-fold	5225100	1
	CEC Cable SIEMENS7/DRÄGER, 4-fold	5225105	1
	CEC Cable SIEMENS10/DRÄGER,2-fold	5225080	1
	CEC Cable SIEMENS10/DRÄGER,3-fold	5225085	1
	CEC Cable SIEMENS10/DRÄGER,4-fold	5225090	1
	CEC Cable Siemens Miniograph 2-fold	5225125	1
	CEC Cable Spacelab 2-fold	5225145	1
	CEC Cable Spacelab 4-fold	5225150	1
	CEC Cable Stoeckert 3-fold	5225300	1
	CEC Cable Welch Allyn 2-fold	5225315	1

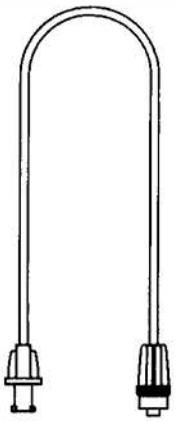
Combitrans® Easy Click

HOLDER / ACCESSORIES

	Code-Number	Sales unit-pcs.
Holder		
Haemofix®-Combitrans® EC Holder	5225215	1
Combitrans® EC Holder, unmoveable	5225135	1
Accessories		
Combitrans® EC Dummy (for unused transducer nest)	5310000	25
Combitrans® EC Adapter for Hemopod	5225130	1
Combitrans® EC Monitoring Kit for cath lab Typ Munich, arterial	5311010	1
Combitrans® EC Monitoring Kit for cath lab Typ Munich. venous	5312020	1
Combitrans® EC Monitoring Kit for cath lab Typ Stuttgart	5313030	1

Combidyn®

PRESSURE TUBINGS MADE OF DEHP-FREE PVC

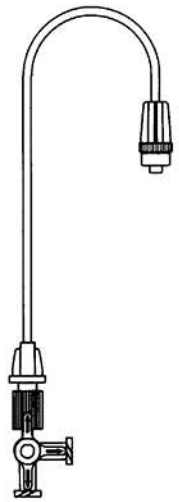


Combidyn®

Pressure tubing for the measurement of physiological pressure
- ø 1.5 x 2.7 mm
- undamped and accurate pressure monitoring
- pressure stability tested up to 8 bar
- transparent for visual control
- tubing of various lengths
- dead space approx. 1.2 ml/m
- tube length matches practical requirements
- colour-coding:
- red stripes (arterial)
- blue stripes (venous)
- yellow stripes (pulmonal arterial)

▪ **luer-fittings**
- with special screw thread
- male/female
- ABS

length	Code-Number	Sales unit-pcs.
Combidyn® transparent		
20	**5204984**	50
30	**5204992**	50
50	**5205000**	50
100	**5205018**	50
150	**5205026**	50
200	**5205034**	50
Combidyn® transparent with red stripes		
20	**5204941**	50
100	**5204976**	50
150	**5205042**	50
200	**5205050**	50
Combidyn® transparent with blue stripes		
100	**5205255**	50
150	**5205263**	50
200	**5205271**	50

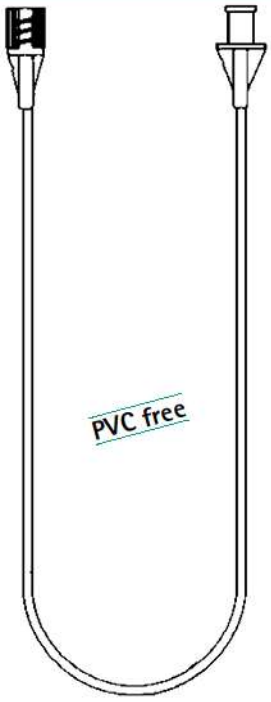


Combidyn® pressure tubing with three-way stopcock
- pressure tube, red, ø 1.5 mm x ø 2.7 mm, 20 cm
- connected three-way stopcock, red

Combidyn® pressure tubing with three-way stopcock	**5208599**	50

Combidyn®

PRESSURE TUBING MADE OF POLYETHYLENE



Combidyn®	Code-Number	Sales unit-pcs.

Pressure tubing for physiological pressure measurement and intravenous medications

Combidyn® Polyethylene
- transparent Polyethylene
- especially useful for infusion of drugs with PVC-incompatibility
- pressure resistance tested up to 8 bar
- transparent for visual control
- reduced dead space
- easy handling due to flexible material
- especially for paediatric and neonatal pressure measurement
- tubing diameter ø 1.0 x 2.0 mm
- dead space approx. 0.8 ml/m

length	Code-Number	Sales unit-pcs.
Combidyn® transparent		
15	**5204995**	50
30	**5214993**	50
100	**5215019**	50
120	**5201281**	50
150	**5215027**	50
180	**5201337**	50
200	**5215035**	50
240	**5201272**	50
Combidyn® transparent with red stripes		
30	**5204950**	50
150	**5215043**	50
Combidyn® transparent with blue stripes		
30	**5205239**	50
150	**5215264**	50

Combidyn® pressure tubing
Pressure tubing for additional connection of a three-way stopcock with a catheter.
- pressure tubing Combidyn® PE ø 1.0 x 2.0 mm with blue stripes
- luer-fittings male/male

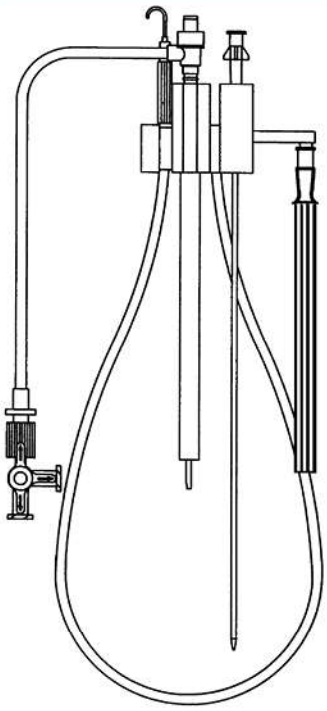
150 blue	**5210577**	50

Combifix Adaptor
to connect Luer lock-fittings

female/female	**5206634**	100
male/male	**5206642**	100

Intradyn® Venous

INTRODUCER FOR ANAESTHESIA AND INTENSIVE CARE



Intradyn® Venous Hemostasis Introducer	Code-Number	Sales unit-pcs.

Percutaneous catheter introducer kit using the Seldinger technique according to Desilets-Hofmann

- **Intradyn® puncture needle, according to Seldinger, 1.3 x 70 mm (18 G)**
  - stainless steel, ø 1.3 mm (18G)
  - smoothly tapered fitting for easy introduction of the guide wire
- **Guide wire, 40 cm**
  - stainless steel, ø 0.035 „/0.89 mm
  - flexible straight tip
- **Vessel dilator, 205 mm, made of FEP**
  - flexible, causing minimal trauma to vessels
  - smoothly tapered transition to guide wire
- **Sheath, 115 mm, made of PUR**
  - thin-walled
  - smoothly tapered transition to vessel dilator
- **Hemostasis valve**
  - to avoid retrograde blood flow
  - for venous application
  - smoothly tapered transition for easy introduction of catheter
  - sideport with mounted three-way stopcock for easy administration of I.V. solutions and injection of medications
  - Lock-fitting

Intradyn® venous with hemostasis valve
- with J3-guide wire

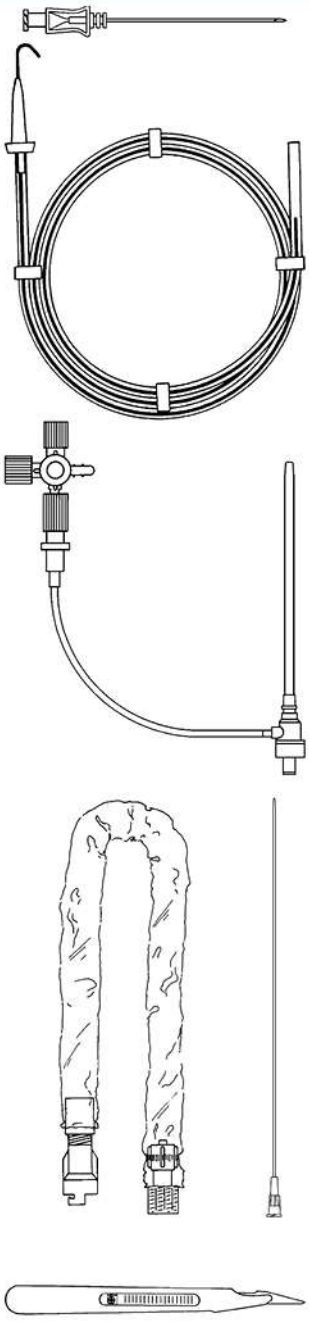
F6 green	**5209749**	20
F7 orange	**5209757**	20
F8 blue	**5209765**	20

Intradyn® venous with hemostasis valve
- with straight guide wire

F5 grey	**5210615**	20
F6 green	**5210062**	20
F7 orange	**5210070**	20
F8 blue	**5210089**	20

Intradyn® Special

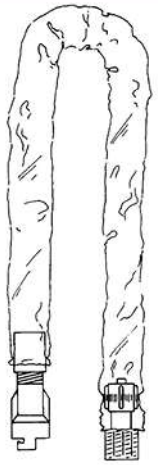
BASIC INTENSIVE CARE KIT



	Intradyn® Basic Intensive Care Kit	Code-Number	Sales unit-pcs.
	Intradyn® venous, percutaneous catheter introducer kit using the Seldinger technique according to Desilets-Hofmann – Intradyn® puncture needle ø 1.3 x 63.5 mm (18 G) – guide wire, 70 cm, ø 0.035"/0.89 mm flexible J3-tip with insertion tool or flexible straight tip – vessel dilatator, 205 mm made of FEP – venous hemostasis introducer sheath, 115 mm made of PUR – hemostasis valve – catheter contamination guard, 120 cm – disposable scalpel – 4 gauze pads, 10 x 10 cm, eight-ply		
	Intradyn® basic kit F6	**5210950**	10
	Intradyn® basic kit F7	**5210100**	10
	Intradyn® basic kit F8	**5210097**	10

Intradyn®

ACCESSORIES

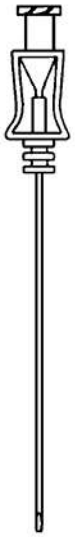


Catheter contamination guard for Intradyn® hemostasis introducer sheath
- proximal: fitting for safe fixation of the catheter or probe
- transparent contamination guard for visual control prevents contamination of catheters and probes during their introduction
- special connection to the sheath due to bayonet locking, 120 cm

	Code-Number	Sales unit-pcs.
Catheter contamination guard	**5210178**	50

Intradyn® guide wires (ø 0.035"/0.89mm) (without illustration)

	Code-Number	Sales unit-pcs.
J3-tip with straightener in dispenser	**5050529**	25

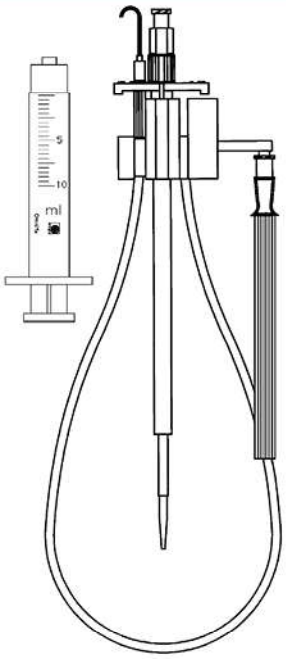


Intradyn® arterial puncture needle (Seldinger)
- Smoothly tapered design for easy introduction of the guide wire up to max. ø 0.035" (0.089 mm)
- Luer-Lock fitting

gauge (G)	diam (mm)	length (mm)	Colour	Code-Number	Sales unit-pcs.
18	1.3	70	light pink	**5208505**	50

Intradyn® Tear-Away

TEAR-AWAY INTRODUCER



Tear-Away introducer sheath using the Seldinger technique according to Desilets-Hofmann
- the pre-scored tearing line ensures a clean and easy sheath removal after catheter placement
- the spin-lock connector holds dilatator and sheath together, preventing dilatator from backing out of sheath during vascular access

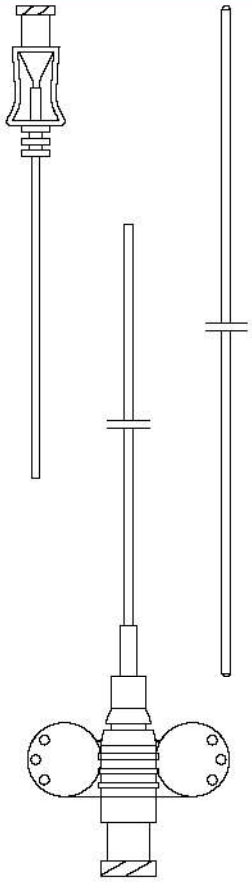
Intradyn® Tear-Away
- **Intradyn® puncture needle according to Seldinger 1.3 x 70 mm (18 G)**
  - made of stainless steel
  - smoothly tapered hub transition for easy introduction of guide wire
- **Guide wire 40 cm**
  - made of stainless steel, ø 0.035" / 0.89 mm
  - flexible J3-tip and flexible straight tip
- **Vessel dilatator, 190 mm made of PE**
  - flexible, minimal trauma to vessels
  - smoothly tapered transition to guide wire
- **Introducer sheath, 160 mm made of FEP- thin-walled**
  - smoothly tapered transition to vessel dilatator
- **Syringe Luer lock-fitting 10 ml**

Intradyn® Tear-Away Introducer

Intradyn® Tear-Away	Code-Number	Sales unit-pcs.
F6	5210313	20
F7	5210593	20
F8	5210321	20
F9	5210330	20
F10	5210348	20
F11	5210585	20

Arteriofix

ARTERIAL CATHETER KITS



Arteriofix

Arterial catheter kit for invasive monitoring of blood pressure and blood sampling using the Seldinger technique

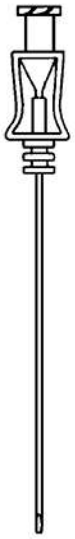
- **Introducer needle** made of stainless steel
  - smoothly tapered hub transition for easy insertion of guide wire
  - integrated design, providing smooth transition from guide wire to needle and needle to catheter to ensure minimal trauma at puncture site
  - Luer lock fitting
- **Catheter** made of FEP
  - for pressure transmission and good physical and mechanical properties of the material
  - excellent tissue and blood compatibility
  - smooth surface prevents thrombogenesis
  - special tip for easy insertion
  - FEP catheters have good gliding characteristics during insertion
  - fixation wings at proximal end
  - colour-coded Luer lock-fittings
- **Guide wire** made of stainless steel
  - flexible straight tip
  - designed according to the different inner diameters of catheters

colour	size	capillary: mm [Ø]; length [mm]	needle: Ø [G; mm]; length [mm]	wire: length [cm] - Ø [Inch]	Code-Number	Sales unit-pcs.
Ateriofix Catheter kits						
yellow	22G/ 80 mm	0.87; 80	22; 0.80 x 50	25-0.021	**5206316**	20
red	20G/ 80 mm	1.08; 80	20; 0.95 x 50	25-0.025	**5206324**	20
white	20G/160 mm	1.08; 160	20; 0.95 x 70	40-0.025	**5206332**	20
grey	18G/ 80 mm	1.29; 80	18; 1.30 x 70	40-0.035	**5206345**	20
grey	18G/160 mm	1.29; 160	18; 1.30 x 70	40-0.035	**5206359**	20

Arteriofix V

ARTERIAL CATHETER KITS

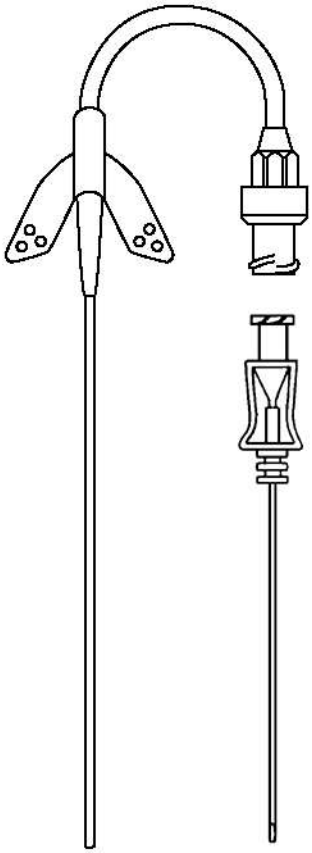
	Arteriofix V	Code-Number	Sales unit-pcs.



This new version of Arteriofix® convinces with its outstanding new features and with established components.

Catheter, consisting of:

- **Capillary**
  - made of FEP
  - excellent tissue and blood compatibility
  - smooth surface prevents thrombogenesis
  - special tip for easy insertion
  - outstanding gliding characteristics during insertion
- **Fixation wings**
  - wings made of PUR
  - soft wings adapt easily to the skin
  - three suture holes
  - continuous and smooth transition between wings and capillary
- **Connecting tubing**
  - 7 cm long PUR tubing
  - distance between puncture site and the connection area
  - strain relief at the puncture site during connection
- **Valve**
  - avoids blood reflux and facilitates the handling
  - provides a high leak tightness
  - does not affect the pressure measurement results



Introducer needle made of stainless steel

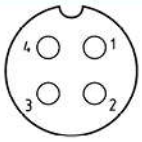
- smoothly tapered hub transition for easy insertion of guide wire
- integrated design, providing smooth transition from guide wire to needle and needle to catheter to ensure minimal trauma at puncture site
- Luer Lock fitting

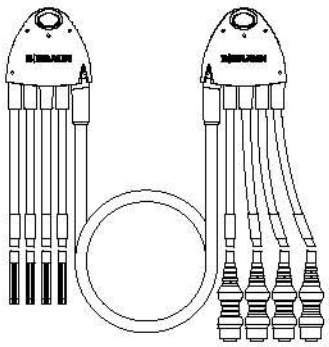
Guide wire made of stainless steel

- flexible straight tip
- designed according to the different inner diameters of catheters

size	capillary: mm [Ø]; length [mm]	needle: Ø [G; mm]; length [mm]	wire: length [cm] - Ø [Inch]	Code-Number	Sales unit-pcs.
Ateriofix V Catheter kits					
22G/ 80 mm	0.87; 80	22; 0.80 x 50	35-0.021	**5206364**	20
20G/ 80 mm	1.08; 80	20; 0.95 x 50	35-0.025	**5206363**	20
20G/160 mm	1.08; 160	20; 0.95 x 70	45-0.025	**5206362**	20
18G/160 mm	1.29; 160	18; 1.30 x 70	45-0.035	**5206361**	20

Combitrans® Monitoring Cables

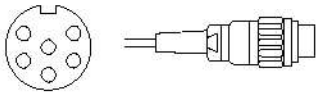
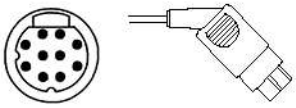
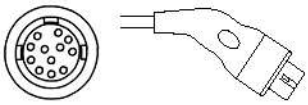
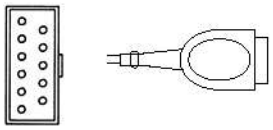
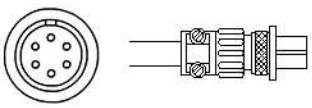
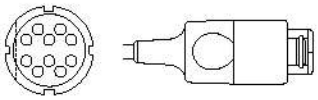




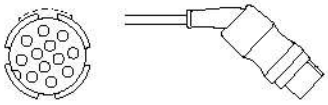
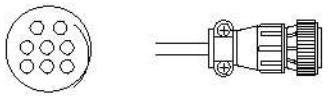
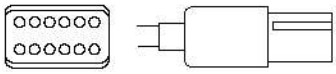
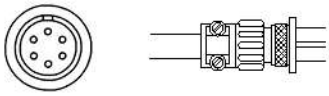
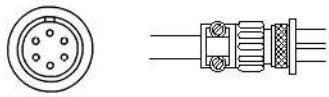
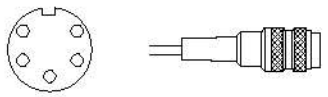
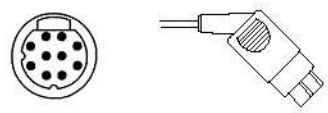
Connection cables
- to connect Combitrans® disposable transducers with patient monitors (CF-class)
- internal adaption to monitor specification
- length 3 m

Transducer plug /colours monitor cable
PIN 1 = -UB (white)
PIN 2 = + Signal (green)
PIN 3 = + UB (yellow)
PIN 4 = -Signal (grey)

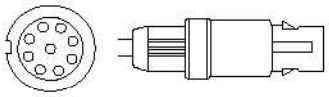
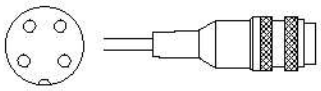
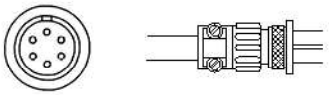
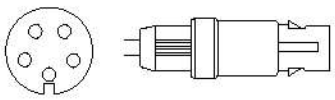
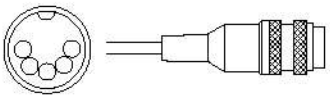
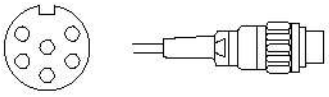
Cable Management
- safe and compact
- easy to clean
- simplify your cable management
- available as double, triple and quadruple

plug details	picture of plug	monitor model	Pins	Code-Number	length
		CABLE MANAGEMENT			
		Combitrans®-Cable-Datascope double	6	5203467	3.0 m
		Combitrans®-Cable-Datascope triple	6	5203477	3.0 m
		Combitrans®-Cable-Datascope quadruple	6	5203487	3.0 m
		Combitrans®-Cable-Datex double	10	5203424	3.0 m
		Combitrans®-Cable-Datex triple	10	5203434	3.0 m
		Combitrans®-Cable-Datex quadruple	10	5203444	3.0 m
		Combitrans®-Cable-HP double	12	5205422	3.0 m
		Combitrans®-Cable-HP triple	12	5206433	3.0 m
		Combitrans®-Cable-HP quadruple	12	5207440	3.0 m
		Combitrans®-Cable-Marquette double	11	5202422	3.0 m
		Combitrans®-Cable-Marquette triple	11	5202433	3.0 m
		Combitrans®-Cable-Marquette quadruple	11	5202444	3.0 m
		Combitrans®-Cable-Spacelab double	6	5209222	3.0 m
		Combitrans®-Cable-Spacelab triple	6	5209233	3.0 m
		Combitrans®-Cable-Spacelab quadruple	6	5209244	3.0 m
		Combitrans®-Cable-Siemens double	10	5203270	3.0 m
		Combitrans®-Cable-Siemens triple	10	5203280	3.0 m
		Combitrans®-Cable-Siemens quadruple	10	5203290	3.0 m

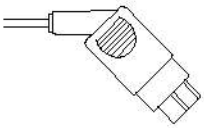
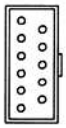
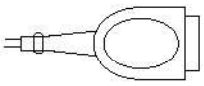
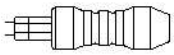
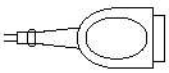
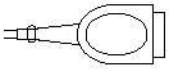
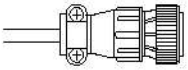
Combitrans® Monitoring Cables

plug details / picture of plug	monitor model	Pins	Code-Number	length
(no illustration)	**ACTA GRAPH**			
	Polygraph	7	**5209234**	3.0 m
	**ARROW**			
	IABP ACAT-1 Kontron Stecker	12	**5203408**	3.0 m
	Kwat II Plus	12	**5202337**	3.0 m
	**BARD**			
	EPU Appliance 1344; LAB-System ECG / PR-200847 (Insertion)	8	**5212542**	3.0 m
	**B. Braun**			
	VISICON IBP supply for CombiCable CC M010; M011; M111; M211	12	**8732582**	1.5 m
	**BCI**			
	6200; 9100; 9200 Advisor	6	**5203511**	3.0 m
	**BIOMEDICAL IVY**			
	401; 402; 403; 403D; 404; 405D; 700; 701; 704; 706; 707	6	**5203511**	3.0 m
	**BIOTRONIK**			
	EPM; HBV (20); HDR (20); Franke-Druck; MS4010; MS6010; MS8010	5	**5203260**	3.0 m
	EP-Control	7	**5209100**	3.0 m
(no illustration)	**BRUKER**			
	SM 784; 785; 786; TM 910 Defigard 2002; Physiogard MB 910	12	**5201497**	3.0 m
	**CARDIO CAP**			
	See Datex Engstrom	10	**5203414**	3.0 m

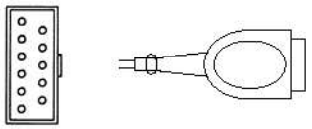
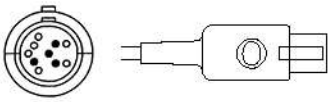
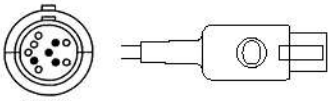
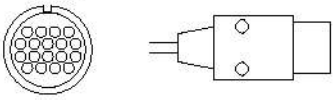
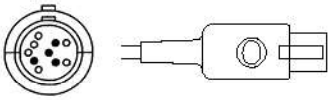
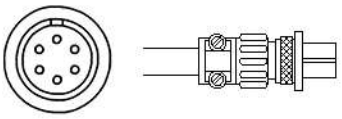
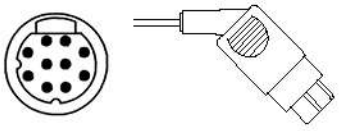
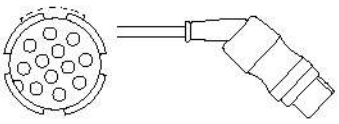
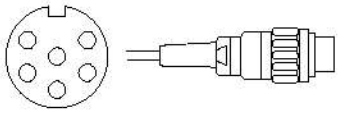
Combitrans® Monitoring Cables

plug details / picture of plug	monitor model	Pins	Code-Number	length
	**CARDIOTEC**			
	EP Tracer	9	**5206153**	3.0 m
	**COBE**			
	CDX III	4	**5211670**	3.0 m
(no illustration)	**CORPULS**			
	Corpuls 3	11	**5211468** + Corpuls adapter cable (04233.02)	3.0 m
	Note: The Corpuls Adapter has to be ordered directly at Corpuls or an authorized distributor.			
	**CRITIKON**			
	DINAMAP PLUS (8720; 8721; 8722)	6	**5203511**	3.0 m
	DINAMAP MPS Select / Portable			
	**CRITICARE**			
	Scholar 1 Modell 2200; PoetPlus	5	**5206152**	3.0 m
(no illustration)	**DANICA**			
	Dialogue 2000	10	**5213363**	3.0 m
	**DANTEC**			
	21C15; 23M02; 23M04; UD5000 MK2; UD5500 MK2; Urodyne 5000; 5500; Menuet; Menuet Compact; Etude; Duet; Video	5	**5202825**	3.0 m
	**DATASCOPE**			
	System 80; 82; 83; 84; 90; 90T; 95; 98, 97 IABP; 850; 870; P2; P3; 2000; 2000A; 2001; 2001A; 2002; x 2002A; 2200I; 3000; Passport; CS-100; CS-300	6	**5203457**	3.0 m

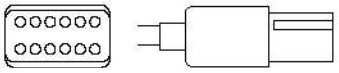
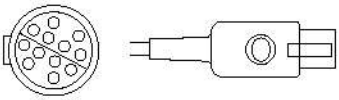
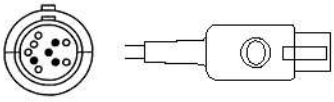
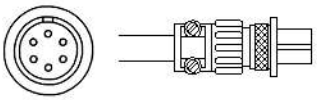
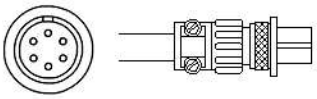
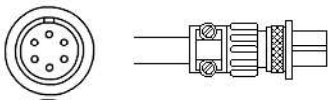
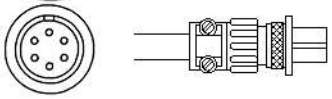
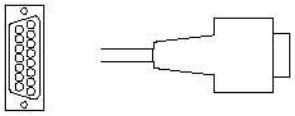
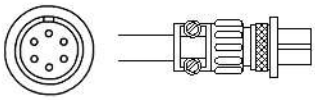
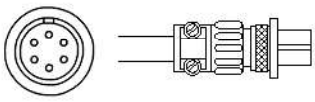
Combitrans® Monitoring Cables

plug details	picture of plug	monitor model	Pins	Code-Number	length
		DATASCOPE / Mindray Medical Germany GmbH			
		PM 9000 Express	6	**5203511**	3.0 m
	(no illustration)	iPM 9800, BeneView (T5, T8)	12	**5203511** + Mindray adapter cable PN: 0010-20-42795	
		Passport V	5	**5203457** + Mindray adapter cable PN: 040-000096-00	
		DATEX			
		Cardio-Cap CC-104; CCI-104; CMO-104; AS/3; CS/3; Light Cardiocap II CG-1G; S/5 light; CG-1GS; CG-2CS; CG-2G; CG-2GS; CH-1R; CH-1RS; CH-2; CH-2s; M-ESTP; M-ETP; M-P	10	**5203414**	3.0 m
		all moduls with P (e.g. E-PRESTN, E-PT, E-PP)	11	**5211468**	3.0 m
		DISA			
	(no illustration)	2100; 21C15	6	**5202833**	3.0 m
		DRAEGER			
		Cato; Cicero EM; Vitara Parameterbox PB 8800; PM 8010; PM 8014; PM 8040; PM8060; Sulla; UM3; UM3.1;	7	**5203350**	3.0 m
		North American Draeger Monitor Vitalert 2000 Dash 2000/3000/4000	11	**5211468**	3.0 m
	(no illustration)	MPod	5	**5203251**	
	(no illustration)	Mpod - active	5	**5203255**	
	(no illustration)	Adapter for Hämobox/HemoMed 2 channals, D-Sub-Plug	15	**5203399**	0.1 m
		E for M			
		see Marquette PDS 300	11	**5211468**	3.0 m
		GE / MARQUETTE			
		2000 Series 7000 Series 7010 Series (not traded anymore)	8	**5212430**	3.0 m

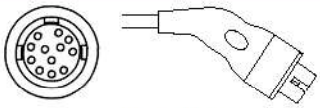
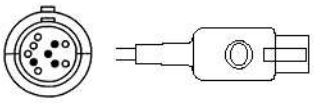
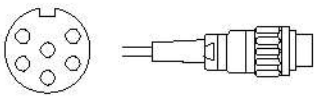
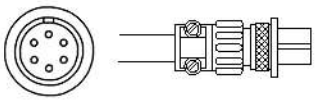
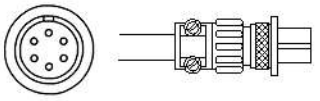
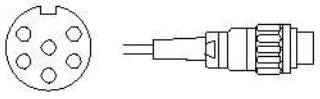
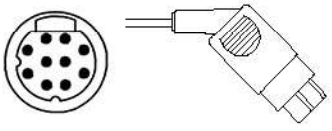
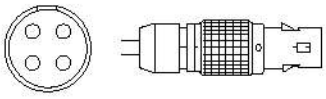
Combitrans® Monitoring Cables

plug details picture of plug	monitor model	Pins	Code-Number	length
	GE / MARQUETTE			
	Cath-Lab; MAC-Lab (general term) Tram Module 100 up to 600; Muse Solar 7000; 8000; 9000; 808; Cardio-Window Eagle/Dash 1000; 2000; 3000; 3100; 4000	11	**5211468**	3.0 m
	HELLIGE			
	Vicom (5. Generation) SMU 610; 611; 612; 613; 630; 639; SMK 230; 231; 260; SMU-EVO Caution: Marquette Eagle	10	**5201098**	3.0 m
	Servomed (4.Generation) SMV 104; 107; 111: SMS 104; 108; 109; 164; 168; 302; 304; 308 SMK 155	10	**5203295**	3.0 m
	Midas	18	**5213169**	3.0 m
	Vicom	10	**5211972**	5.0 m
	HONEYWELL			
(no illustration)	CM 120;130;150; PM 300; 301	7	**5223350**	3.0 m
	Philips Physio-Cardiopan	9	**5203392**	3.0 m
	**INVIVO RESEARCH**			
	3000; 3200; Omni-trek TVS Millennia; Omeda; 1400 Series; Expression	6	**5203511**	3.0 m
(no illustration)	**JOSTRA**			
	HLM 20/21	5	**5216767**	3.0 m
	**KONE**			
	M560A; M565A; M575; MA544	10	**5203414**	3.0 m
	**KONTRON**			
	Minimon 7131 up to 7136: Fetalmon 2A; 2B Fetalogic 4000; Fetasonde 5; 5A: 5B; K2000 Balloon Pump; KAAT II; Module 10 up to 7286; Supermon	12	**5202337**	3.0 m
	Series 108; 200	6	**5203457**	3.0 m

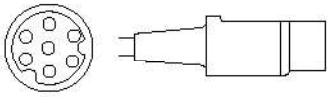
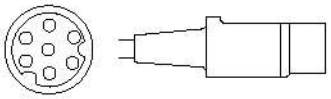
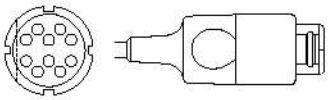
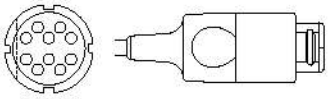
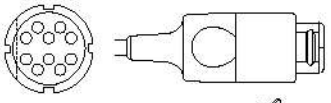
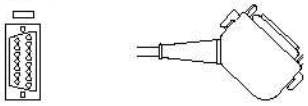
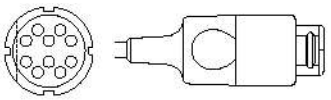
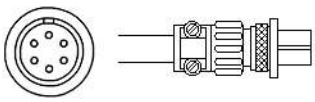
Combitrans® Monitoring Cables

plug details / picture of plug	monitor model	Pins	Code-Number	length
	**LOHMEIER / B. BRAUN** VISICON IBP supply for CombiCable CC M010; M011; M111; M211	12	**8732582**	1.5 m
	M6 08; M8 08; M910; PM315	12	**5211661**	3.0 m
	**LITTON** see Hellige Servomed	10	**5203295**	3.0 m
	**MEDTRONIC / PHYSIO CONTROL** VSM-1; VSM-4A; VSM-5	6	**5202485**	3.0 m
	Lifepak 12; Livepak 15	6	**5203449**	3.0 n
	**MENNEN** Horizon 1100; 2000 Series; 3000 9000 Series; XL Series	6	**5202876**	3.0 m
	EMS; ENVOY; MERCURY; SOLO; MICRO-SOLO; MR 1200 up to 9200; Cathlab	6	**5203511**	3.0 m
(no illustration)	ENVOY	8	**5202531** + Mennen adapter part no. 551-360-11	3.0 m
	**METEK** DAVID	15	**5203000**	3.0 m
	**NDE** Monitor	6	**5203511**	3.0 m
	**NELLCOR PURITAN BENNET** Escort 300 A	6	**5203511**	3.0 m
	PD 240; PB 245; PB 245 P	10	**5209242**	3.0 m
(no illustration)	**NIHON KOHDEN** BSM 2301; BSM4101A		**5203201** + Nihon Kohden adapter cable (K952)	

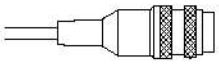
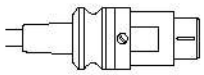
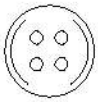
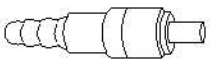
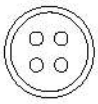
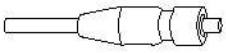
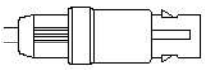
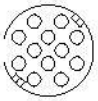
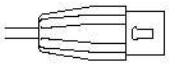
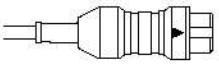
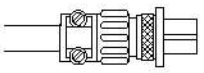
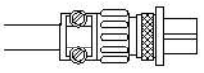
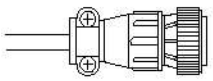
Combitrans® Monitoring Cables

plug details / picture of plug	monitor model	Pins	Code-Number	length
	**PHILIPS / HEWLETT PACKARD**			
	B series Philips MX700/800	12	**5203406**	3.0 m
(no illustration)	A series	12	**5213080**	3.0 m
(no illustration)	B series Intellivue MP70	12	**5202850**	3.0 m
(no illustration)	**POLYGRAPH**			
	EP 12	8	**5209218**	3.0 m
	**PPG BIOMEDICAL**			
	see HELLIGE VICOM	10	**5201098**	3.0 m
	**PRUCKA**			
	CLAB I (see Datascope)	6	**5203457**	3.0 m
	CLAB II	8	**5203460**	3.0 m
	**PROTOCOL**			
	Propaq 104; 106; 206; 204 Encore; welchallyn; Zoll	6	**5203449**	3.0 m
	**PURITAN BENNET**			
	PB 224; 240; 245	6	**5203511**	3.0 m
	**ROCHE**			
	220: 222; 223; 224; 7320; 7324	6	**5203457**	3.0 m
	**S&W (SIMSON & WEIL)**			
	System 8000 Athena; 8041; Diascope 2; Diascope Traveler; Diascope NT	10	**5203430**	3.0 m
	**SARNS / 3M**			
	5000; 8000; 8595; 9000 HLM; System 1	5	**5209226**	3.0 m
(no illustration)	**SCHWARZER PICKER**			
	DME 48	12	**5203546**	3.0 m

Combitrans® Monitoring Cables

plug details / picture of plug	monitor model	Pins	Code-Number	length
	SIEMENS / DRAEGER			
	SC 6000, SC7000; Dräger Infinity Delta, Gamma, Gamma XL	7	**5212643**	3.0 m
	SC 6000 Adapter 7 to 10 Pin SC 7000	7 10	**5206458**	0.2 m
	Sirecust 400-1281; SC 8000; Dräger Infinity Kappa Cable for Siemens Hemo Adapter	10	**5203361**	0.1 m
	Sirecust 400-1281; SC 8000; Dräger Infinity Kappa	10	**5203263**	1.7 m
	Sirecust 400-1281; SC 8000; Dräger Infinity Kappa	10	**5209250**	5.0 m
	Mingograph 7 (Europe); CathCor; HKL 440M; Multigraph Recor; CathLab; Micor; Cartridge; Sicor;	15	**5203279**	3.0 m
	Sirecust 400-1281; SC 8000; Dräger Infinity Kappa CrosKop X-ray system; 2002 Tochtersichtgerät	10	**5203252**	3.0 m
(no illustration)	Sirecust 300 series (342R)	5	**5203260**	3.0 m
	SPACELABS			
	Series 400; 500; 600; 700; 1000; 3000; 90300; 90400; (90402; 90470; 90496); 90600; Alpha 7; 9; PC 1,2; UVW; 90367 portable PC Express; TEK / VIATEK; Scout	6	**5203511**	3.0 m
	Module 90496 (10 cm Adapter Cable)	10	**Spacelabs 700-0028-00**	3.0 m

Combitrans® Monitoring Cables

plug details	picture of plug	monitor model	Pins	Code-Number	length
		STOECKERT / SORIN			
		Stoeckert HLM; CAPS Series; S5 and C5 systems	4	**5211670**	3.0 m
		SCHILLER			
		Cardioswiss CM-8; TM-7 Cardiovit AT-2S Argus	5	**5211603**	3.0 m
		PB-1000 (F-Series until 2005)	4	**5211601**	3.0 m
		PB-1000 (LP-Series new generation), Argus PRO	4	**5211602**	3.0 m
		SCHWARZER			
		Physioscript PD 14 (since 9/98) Cardis 5000 Neurocard Monitor	5	**5212846**	3.0 m
		Physioscript PD 14 (till 9/98) CU12-C	12	**5211735**	3.0 m
		Cardis 5000 with Philips module	12	**5212850**	3.0 m
		TEKTRONIX			
		413A; 414; 414-21	6	**5203511**	3.0 m
		VIATEK			
		see Spacelab	6	**5203511**	3.0 m
		WITT			
			8	**5209500**	3.0 m

Customized devices on request. Please ask your clinical specialist.

Conversion tables

Pressure units	bar	mm Hg	cm H_2O	atm	psi	kPa
1 bar =	1	736	1019	0.987	14.51	100
1 mm Hg =	0.0013	1	1.39	0.0013	0.02	0.133
1 cm H_2O =	9.81*10-4	0.736	1	0.0013	0.019	0.0981
1 atm =	1.013	745	1033	1	14.69	101.3
1 psi =	0.0689	50.71	70.21	0.068	1	6.89
1 kPa =	0.01	7.501	10.19	0.0099	0.145	1

Metal cannula

Gauge	Nominal outer diameter in mm*	acc. to ISO 6009 colour code for injection cannulas
30	0.3	yellow
28	0.36	blue-green
26	0.45	brown
24	0.55	pink
22	0.7	black
20	0.9	yellow
18	1.2	rose
16	1.6	white
14	2.1	white-green
12	2.7	white-blue

*) according to ISO/DIN 9626

Catheter diameter 1 F = 1/3 mm

French (F)	1	2	3	4	5	6	7	8	9	10	11	12	14
mm	0.33	0.67	1.0	1.33	1.67	2.0	2.33	2.67	3.0	3.33	3.67	4.0	4.67

Wire diameter 1" = 25.4 mm

Inch (")	0.008	0.010	0.014	0.018	0.024	0.028	0.032	0.035	0.038	0.045	0.047	0.063	0.071
mm	0.20	0.25	0.36	0.46	0.61	0.71	0.81	0.89	0.97	1.14	1.19	1.60	1.80

Catheter length 1 foot = 30.5 cm

Feet	1	2	3	4	5	6
cm	30.5	61.0	91.4	1.22	1.52	1.83

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