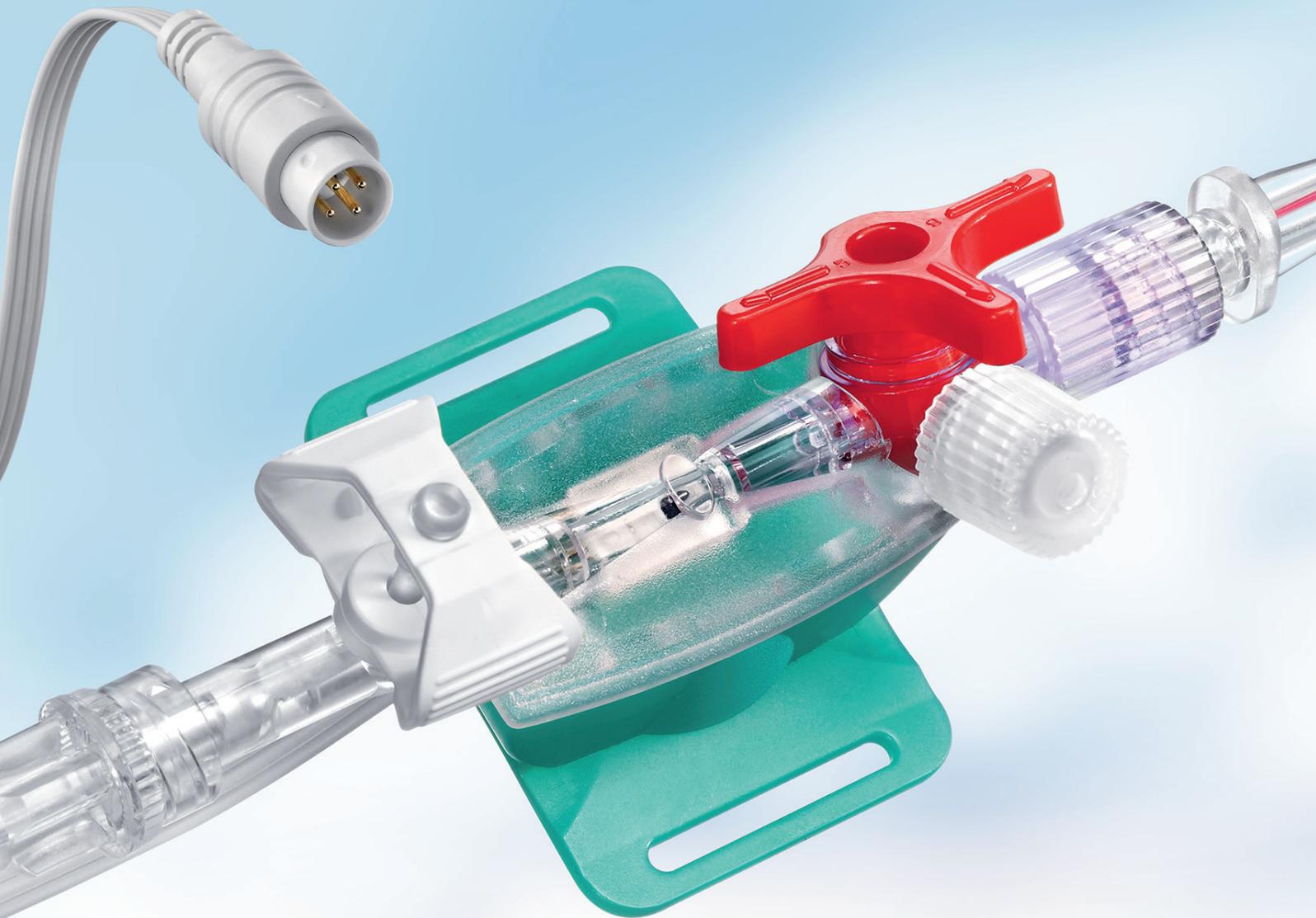


HAEMODYNAMICS

Products For Minimal-Invasive
Diagnostics And Therapy

B|BRAUN
SHARING EXPERTISE



Interventional Vascular Diagnostics and Therapy

PRODUCTS FOR MINIMAL-INVASIVE DIAGNOSTICS AND THERAPY

BALLOON FLOATATION CATHETERS FOR MEASUREMENT OF HEMODYNAMIC PRESSURE AND CARDIAC OUTPUT

Corodyn

- 3 Corodyn P1
- 3 Corodyn P2
- 4 Corodyn TD
- 4 Corodyn TD-I
- 5 Corodyn TD touch-free
- 6 Corodyn TD-I touch-free
- 6 Corodyn technical data

Eledyn

- 7 Eledyn stimulation probe

MONITORING KITS WITH DISPOSABLE TRANSDUCER FOR PHYSIOLOGICAL PRESSURE MEASUREMENT

Combitrans®

- 8 Combitrans® Easy Click Connection Cables

MONITORING KITS WITH REUSABLE TRANSDUCER FOR PHYSIOLOGICAL PRESSURE MEASUREMENT

Combidyn®

- 9 Combidyn® Monitoring Kit
- 10-11 Combidyn® Pressure Tubing

DISPOSABLE TRANSDUCER

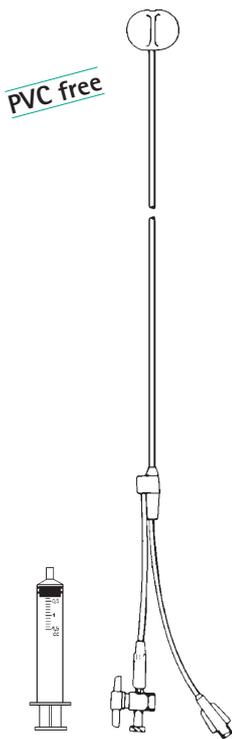
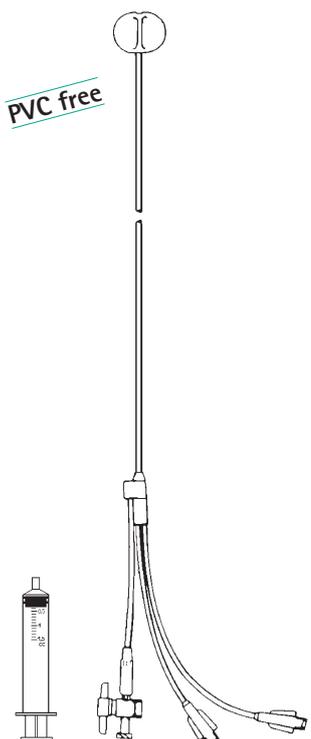
- 12 Combitrans® Transducer

CABLES

- 13-21 Combitrans® Monitoring Cables
 - 22 Conversion Tables
-

Corodyn P1/P2

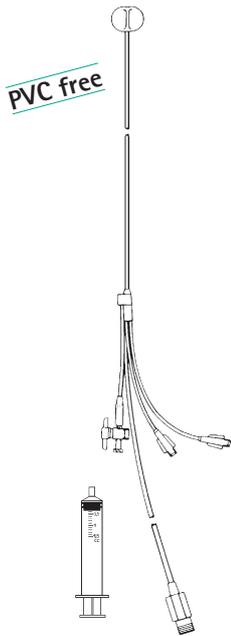
BALLOON FLOATATION CATHETERS MADE OF POLYURETHANE (PUR)

		Corodyn P1/P2	Code-Number	Sales unit-pcs.
	<p>Balloon floatation catheters for hemodynamic pressure measurement</p> <ul style="list-style-type: none"> - 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 			
	<p>Corodyn P1</p> <p>Balloon floatation catheter with distal lumen</p> <ul style="list-style-type: none"> - made of PUR 			
		F5	5011590	5
		F6	5011698	5
		F7	5011795	5
	<p>Corodyn P2</p> <p>Balloon floatation catheter with two lumina for simultaneous pressure measurement and application of infusions or medications</p> <ul style="list-style-type: none"> - 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	Code- Number	Sales unit-pcs.
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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

F5	5041406	5
F6	5041414	5
F7	5041422	5
F7, S-Tip	5041945	5

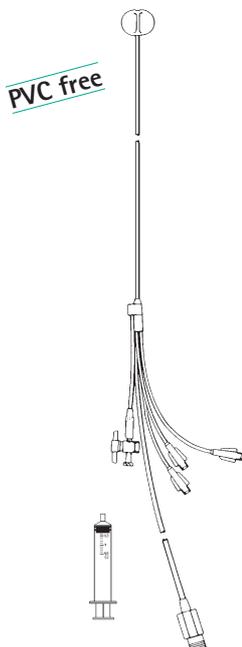
Corodyn TD-I

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

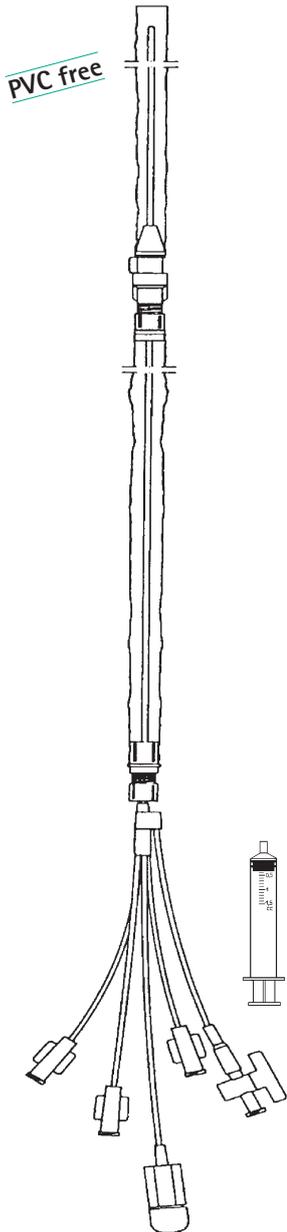
Corodyn TD-I

PUR, F 7,5	5041856	5
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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

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

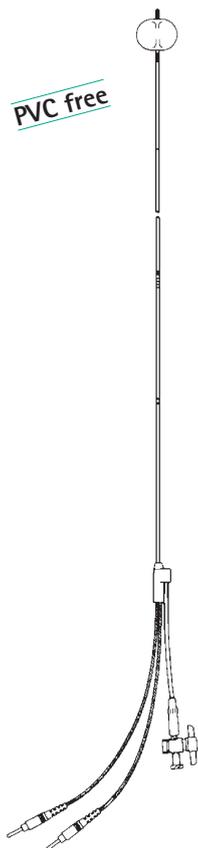
Injectate Temperature (°C)		0 °C - 5 °C			23 °C - 25 °C		
Injectate Volume (cm ³) (V _i)		3	5	10	3	5	10
Computation constants (k)	5 FR., 100 cm	0.144	0.239	0.481	0.146	0.246	0.489
	6 FR, 100 cm	0.158	0.268	0.547	0.163	0.277	0.558
	7 FR, 110 cm	0.160	0.274	0.561	0.162	0.278	0.558
	7.5 F, 110 cm	0.160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

PVC free



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 / CO₂ for balloon inflation
- for connection to balloon lumen with stopcock

Eledyn stimulation probe with balloon F5

5101506

5

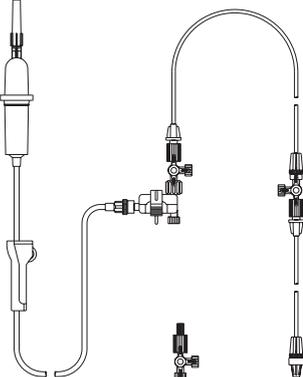
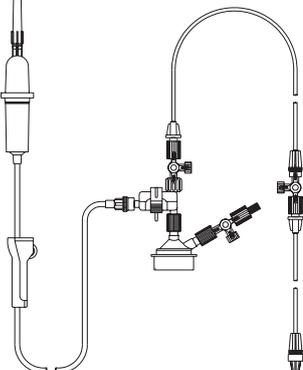
Combitrans® Easy Click

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 Kodon 5 2-fold	5225260	1
CEC Cable Nihon Kodon 5 4-fold	5225265	1
CEC Cable Nihon Kodon 14 2-fold	5225270	1
CEC Cable Nihon Kodon 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

Combidyn®

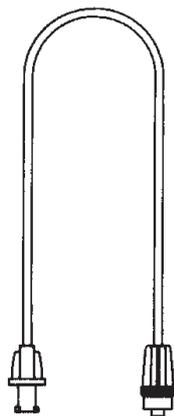
MONITORING KIT FOR PRESSURE MEASUREMENT WITH REUSABLE TRANSDUCER

	Combidyn®	Code-Number	Sales unit-pcs.
	<p>Monitoring kit for physiological pressure measurement</p> <p>Combidyn® Monitoring kit Basic kit, without pressure dome</p> <ul style="list-style-type: none"> ▪ Intrafix M – special administration kit for pressure measurement ▪ Combidyn® flush device – quick flush rate – continuous flush rate 3 ml/h at 300 mmHg ▪ Discofix®-3 – three-way stopcock, red ▪ Combidyn® pressure tubing 125 cm – ø 1.5 x ø 2.7 mm – with red stripes ▪ Combidyn® pressure tubing 20 cm – ø 1.5 x ø 2.7 mm – with red stripes 		
<p>Combidyn® Monitoring Kit</p>		<p>5205689</p>	<p>25</p>
	<p>Combidyn® Monitoring Kit Basic kit, with pressure dome – Same configuration as above, but with pressure exchanging dome</p> <p>Combidyn® Reusable Transducer/Disposable domes/Flush device for SensoNor 840 transducers</p>	<p>5206502</p> <hr/> <p>5207410</p>	<p>25</p> <hr/> <p>25</p>

Combidyn®

PRESSURE TUBINGS MADE OF DEHP-FREE PVC

Combidyn®



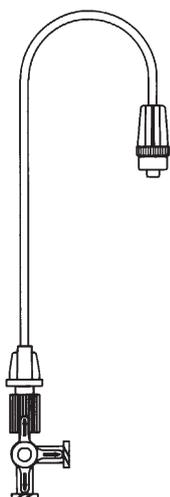
Pressure tubing for the measurement of physiological pressure

- 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

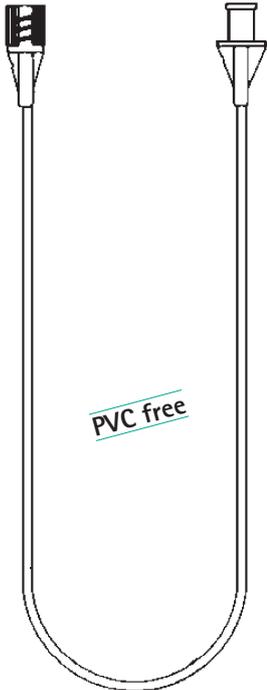
- with special screw thread
- male/female
- ABS

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



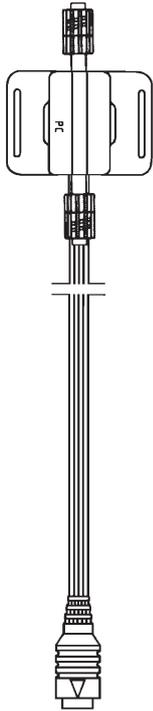
Combidyn®

PRESSURE TUBING MADE OF POLYETHYLENE

Combidyn®		Code-Number	Sales unit-pcs.																																																								
Pressure tubing for physiological pressure measurement and intravenous medications																																																											
Combidyn® Polyethylene <ul style="list-style-type: none"> - 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 \varnothing 1.0 x 2.0 mm - dead space approx. 0.8 ml/m 																																																											
	<table border="1"> <thead> <tr> <th>length</th> <th>Code-Number</th> <th>Sales unit-pcs.</th> </tr> </thead> <tbody> <tr> <td colspan="3">Combidyn® transparent</td> </tr> <tr> <td>15</td> <td>5204995</td> <td>50</td> </tr> <tr> <td>30</td> <td>5214993</td> <td>50</td> </tr> <tr> <td>100</td> <td>5215019</td> <td>50</td> </tr> <tr> <td>120</td> <td>5201281</td> <td>50</td> </tr> <tr> <td>150</td> <td>5215027</td> <td>50</td> </tr> <tr> <td>180</td> <td>5201337</td> <td>50</td> </tr> <tr> <td>200</td> <td>5215035</td> <td>50</td> </tr> <tr> <td>240</td> <td>5201272</td> <td>50</td> </tr> <tr> <td colspan="3">Combidyn® transparent with red stripes</td> </tr> <tr> <td>30</td> <td>5204950</td> <td>50</td> </tr> <tr> <td>150</td> <td>5215043</td> <td>50</td> </tr> <tr> <td colspan="3">Combidyn® transparent with blue stripes</td> </tr> <tr> <td>30</td> <td>5205239</td> <td>50</td> </tr> <tr> <td>150</td> <td>5215264</td> <td>50</td> </tr> <tr> <td colspan="4"> Combidyn® pressure tubing Pressure tubing for additional connection of a three-way stopcock with a catheter. <ul style="list-style-type: none"> - pressure tubing Combidyn® PE \varnothing 1.0 x 2.0 mm with blue stripes - luer-fittings male/male </td> </tr> <tr> <td>150 blue</td> <td>5210577</td> <td>50</td> <td></td> </tr> </tbody> </table>			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. <ul style="list-style-type: none"> - pressure tubing Combidyn® PE \varnothing 1.0 x 2.0 mm with blue stripes - luer-fittings male/male 				150 blue	5210577	50	
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Combitrans®

DISPOSABLE TRANSDUCER



Combitrans®

Code-
Number

Sales
unit-pcs.

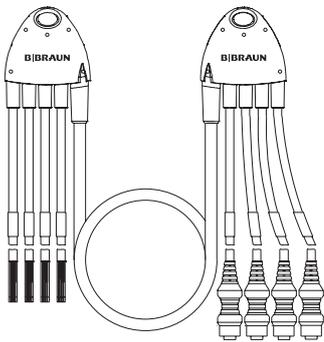
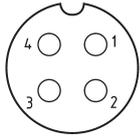
- Disposable transducer for physiological pressure measurement
- can be used in combination with all CF-class monitors
 - adapts to interface cable with plug connection
 - modern chip technology for an accurate registration of values (sensitivity, linearity, zero stability)
 - straight fluid channel for an easy air-bubble free filling

Combitrans® disposable transducer

5203660

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

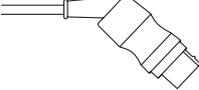
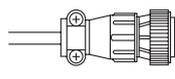
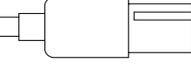
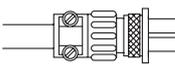
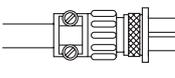
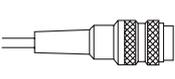
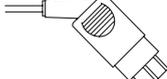
- PIN 1 = -UB (white)
- PIN 2 = + Signal (green)
- PIN 3 = + UB (yellow)
- PIN 4 = -Signal (grey)

Cable Management

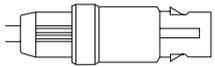
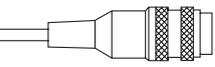
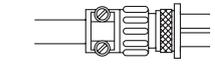
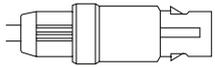
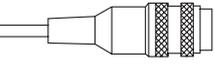
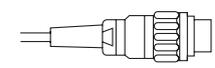
- safe and compact
- easy to clean
- simplify your cable management
- available as double, triple and quadruple

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

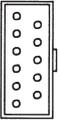
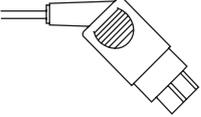
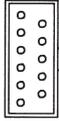
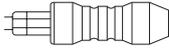
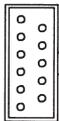
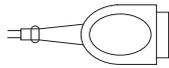
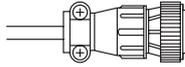
Combitrans[®] Monitoring Cables

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 Kwat II Plus	12 12	5203408 5202337	3.0 m 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
	(no illustration)	BRUKER SM 784; 785; 786; TM 910 Defigard 2002; Physiogard MB 910	7	5209100	3.0 m
		CARDIO CAP See Datex Engstrom	10	5203414	3.0 m

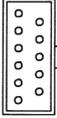
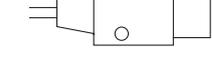
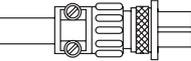
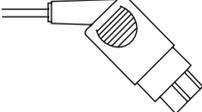
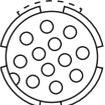
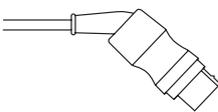
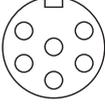
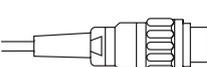
Combitrans® Monitoring Cables

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) DINAMAP MPS Select / Portable	6	5203511	3.0 m
		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

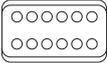
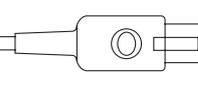
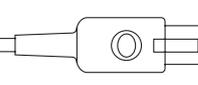
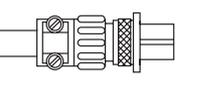
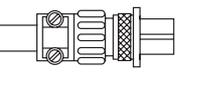
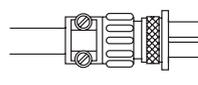
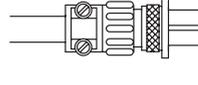
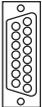
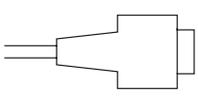
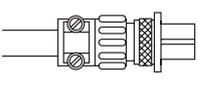
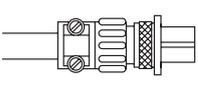
Combitrans® Monitoring Cables

plug details	picture of plug	monitor model	Pins	Code-Number	length
DATASCOPE / Mindray Medical Germany GmbH					
<i>(no illustration)</i>		PM 9000 Express	6	5203511	3.0 m
		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					
<i>(no illustration)</i>		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
	<i>(no illustration)</i>	North American Draeger Monitor Vitalert 2000 Dash 2000/3000/4000	11	5211468	3.0 m
<i>(no illustration)</i>	MPod	5	5203251		
<i>(no illustration)</i>	Mpod - active	5	5203255		
<i>(no illustration)</i>	Adapter for Hämobox/HemoMed 2 channels, 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

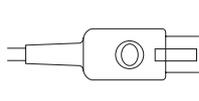
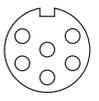
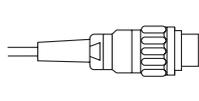
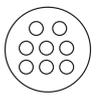
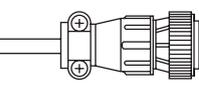
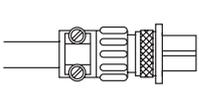
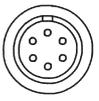
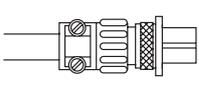
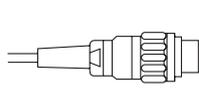
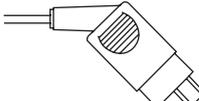
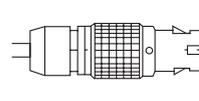
Combitrans® Monitoring Cables

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:	10	5203295	3.0 m
		SMS 104; 108; 109; 164; 168; 302; 304; 308 SMK 155			
		Midas	18	5213169	3.0 m
		Vicom	10	5211972	5.0 m
<i>(no illustration)</i>		HONEYWELL CM 120;130;150; PM 300; 301 Philips Physio-Cardiopan	7 9	5223350 5203392	3.0 m 3.0 m
		INVIVO RESEARCH 3000; 3200; Omni-trek TVS Millennia; Omeda; 1400 Series; Expression	6	5203511	3.0 m
<i>(no illustration)</i>		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

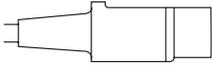
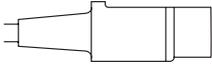
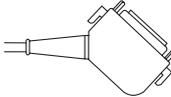
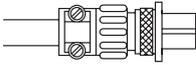
Combitrans[®] Monitoring Cables

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
		ENVOY	8	5202531 + Mennen adapter part no. 551- 360-11	3.0 m
	(no illustration)				
		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
		NIHON KOHDEN			
	(no illustration)	BSM 2301; BSM4101A		5203201 + Nihon Kohden adapter cable (K952)	

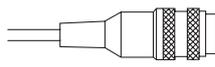
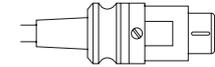
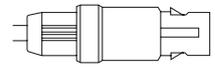
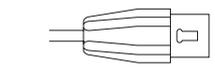
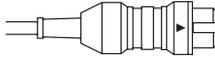
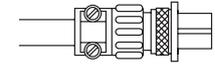
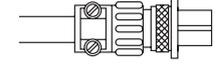
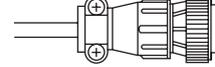
Combitrans® Monitoring Cables

plug details	picture of plug	monitor model	Pins	Code-Number	length
		PHILIPS / HEWLETT PACKARD			
	<i>(no illustration)</i>	B series Philips MX700/800	12	5203406	3.0 m
	<i>(no illustration)</i>	A series	12	5213080	3.0 m
	<i>(no illustration)</i>	B series Intellivue MP70	12	5202850	3.0 m
	<i>(no illustration)</i>	POLYGRAPH			
		EP 12	8	5209218	3.0 m
		PPG BIOMEDICAL			
		see HELDIGE 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
	<i>(no illustration)</i>	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 Tochttersichtgerät	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 ₂ O	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 ₂ O =	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
Fmm	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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