



PiCCO₂



Less invasive complete haemodynamic monitoring combining fiberoptic oximetry, transpulmonary thermodilution and arterial pulse contour analysis.

Technical Data



General	
Equipment	PiCCO ₂
Article Number	PC8500
Equipment Class CE	IIb
Equipment Type	BF defibrillation-proof
Protection Class	I
Accessories	
PiCCO-Catheters and Kits	Please refer to PiCCO-Catheter data sheet
Arterial temperature cable and injectate temperature connection cable	Art. No.: PC80150
Injectate temperature sensor cable	Art. No.: PC80109
Pressure connection cable	Art. No.: PMK-206
PiCCO ₂ pressure output adapter	Art. No.: PC85200
Main power cable	Art. No.: 401090-F (dependent on country)
Grounding cable	Art. No.: 401080
Optical module	Art. No.: PC3010
Screen	
Type	13.3" TFT LCD colour display, touchscreen, active matrix
Size (W x H)	299 x 195 mm
Viewing Area (W x H)	286 x 178 mm
Resolution	1280 x 800 Pixel
Electrical Specifications	
Mains Voltage	100 to 240 V ~
Mains Frequency	50 to 60 Hz
Power Consumption	75 VA max.
Internal Battery	14.4 V 36 Wh
Cell Type	Lithium-Ion
Charging Time	3 to 5 h
Battery Operating Time	> 30 min
Operating Conditions	
Temperature Range	10 to 40 °C
Relative Humidity	30 to 75 % (non condensing)
Atmospheric pressure range	700 to 1060 hPa
Transport and Storage Conditions	
Temperature Range	-20 to 50 °C
Relative Humidity	20 to 90 % (non condensing)
Atmospheric pressure range	700 to 1060 hPa
Physical Attributes	
Size (W x H x D)	328 x 248 x 180 mm (with Navigation Dial)
Weight	5.1 kg
Standards	
EN 60601-1:1990 + A1:1993 + A2:1995	Compliance Class I Equipment 1x Type BF Applied Part 3x Type CF Applied Part IPX0
EN 60601-1-1:2002	
EN 60601-1-2:2002	
EN 60601-1-4:2001	
EN 60601-1-6:2005	
EN 60601-2-34:2001	
User Interface	
User Controls	Touchscreen, Navigation Dial, Fixed Keys (Hardkeys)
Data Transmission Capabilities	
Interfaces	RS232, LAN, 2xUSB

Mounting systems and printer available on request.

Parameters

Category	Parameter	Label	Unit	Lower limit	Upper limit	Accuracy*	Accuracy
• Flow	Pulse Contour Cardiac Output	PCCO ²⁾	l/min	0.25	25.0	Coefficient of variation ≤ 3 %	± 3 %
	Cardiac Output	CO ²⁾	l/min	0.25	25.0	Coefficient of variation ≤ 1 %	± 1 %
	Stroke Volume	SV ²⁾	ml	1	250	Coefficient of variation ≤ 3 %	± 3 %
• Preload	Global End-Diastolic Volume	GEDV ²⁾	ml	40	4800	Coefficient of variation ≤ 2 %	± 2 %
	Intrathoracic Blood Volume	ITBV ²⁾	ml	50	6000	Coefficient of variation ≤ 2 %	± 2 %
• Volume Responsiveness	Stroke Volume Variation	SVV ²⁾	%	0	50	Calculated	
	Pulse Pressure Variation	PPV ²⁾	%	0	50	Calculated	
• Contractility	Global Ejection Fraction	GEF ²⁾	%	1	99	Calculated	
	Cardiac Function Index	CFI ²⁾	l/min	1.0	15	Calculated	
	Index of Left Ventricular Contractility	dPmx ²⁾	mmHg/s	200	5000	Calculated	
	Cardiac Power Output	CPO ²⁾	W	0.01	9.99	Calculated	
• Afterload	Systemic Vascular Resistance	SVR ²⁾	dyn•s•cm ⁻⁵	1	30000	Calculated	
• Pulmonary Edema	Extravascular Lung Water	EVLW ²⁾	ml	10	5000	Coefficient of variation	n/a
	Pulmonary Vascular Permeability Index	PVPI ²⁾	-	0.10	9.0	Calculated	
• Oxygenation	Central Venous Oxygen Saturation	ScvO ₂ ¹⁾	%	1	99	Calculated	
	Oxygen Supply	DO ₂ ^{1) 2)}	ml/min	10	5000	Calculated	
	Oxygen Consumption	VO ₂ ^{1) 2)}	ml/min	10	5000	Calculated	

Measured with 1) CeVOX-Probe, 2) PiCCO-Catheter * Coefficient of variation, measured using synthetic and/or database wave forms (laboratory testing)

Technical specifications are subject to change without further notice.

For further information please visit www.PiCCO2.com or contact us by e-mail or phone.

