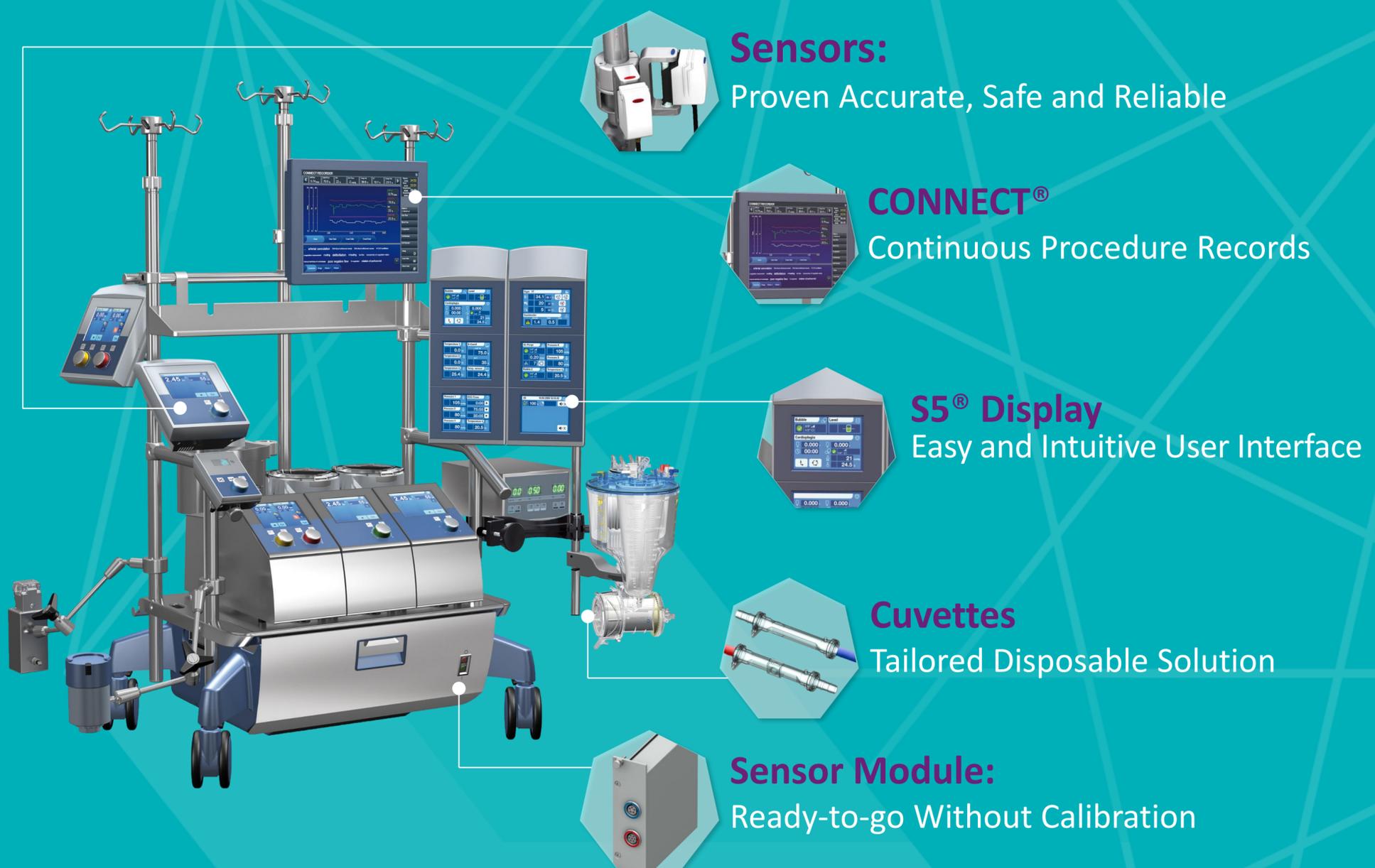


# B-Capta

The new ready-to-go  
in-line blood gas monitoring  
system integrated into the S5



**Sensors:**  
Proven Accurate, Safe and Reliable

**CONNECT®**  
Continuous Procedure Records

**S5® Display**  
Easy and Intuitive User Interface

**Cuvettes**  
Tailored Disposable Solution

**Sensor Module:**  
Ready-to-go Without Calibration

## Key Features . . .

1. Easily and accurately monitors Arterial and Venous Blood Gas Parameters even in long and complex pediatric and adult cardiopulmonary bypass procedures
2. Provides in-line continuous monitoring of the patient's blood parameters and allows the operator to quickly react to parameter changes
3. Supports the implementation of Goal-Directed Perfusion (GDP) therapy in CONNECT that enables perfusionists to maintain accurate perfusion procedure records<sup>1,2</sup>

## B-Capta Article Numbers – Equipment and Disposables

	Part No.	Sensor Module Venous & Arterial	Venous Sensor & Ref. Element	Venous Ref. Element Holder	Arterial Sensor & Ref. Element	Arterial Ref. Element Holder
<b>FULL SYSTEM</b>	25-95-00	YES	YES	YES	YES	YES
<b>SYSTEM VENOUS ONLY</b>	25-95-05	YES	YES	YES	N/A	N/A

VENOUS CUVETTES	Article Number	ARTERIAL CUVETTES	Article Number
1/2"	05184	3/8"	05191
3/8"	05183	1/4"	05190
1/4"	05182		

## B-Capta Technical Details

Components	Measured Parameters	Operating Range	Resolution	Measurement Unit	Accuracy	Technology
<b>VENOUS SENSOR</b>	SvO <sub>2</sub>	40.0 – 99.9	0.1	%	0.46 +/- 1.68	Optical Reflectance
	Hct	13.0 – 48.0	0.1	%	0.71 +/- 0.77	
	Hb	4.1 – 15.7	0.1	g/dl	0.21 +/- 0.25	
		41.0 – 157.0	1.0	g/l		
		2.5 – 9.7	0.1	mmol/l		
	venT	15.0 – 41.0	0.1	°C	0.04 +/- 0.52	Infrared Sensor
<b>ARTERIAL SENSOR</b>	pO <sub>2</sub>	50 – 400	1.0	mmHg	0.30% +/- 5.96	Optical Reflectance
		6.7 – 53.3	0.1	kPa		
	artT	15.0 – 41.0	0.1	°C	0.17 +/- 0.26	Infrared Sensor

	Cuvette Connector Size	Min Flow Rate	Max Flow Rate
<b>VENOUS SENSOR</b>	1/2"	0.5 l/min	8.0 l/min
	3/8"	0.2 l/min	6.0 l/min
	1/4"	0.1 l/min	2.5 l/min
<b>ARTERIAL SENSOR</b>	3/8"	0.2 l/min	8.0 l/min
	1/4"	0.1 l/min	2.5 l/min

### References:

1. Ranucci M. et al., Carbon dioxide production during cardiopulmonary bypass: pathophysiology, measure and clinical relevance - Perfusion 2016.
2. Ranucci M. et al., Oxygen Delivery During Cardiopulmonary Bypass and Acute Renal Failure After Coronary Operations - ATS 2005.

## Indications for Use/Intended Purpose

The B-Capta is intended to be used for in-line continuous monitoring of patient's blood parameters during procedures requiring extracorporeal circulation. Provided in-line measured parameters are: I) in the Venous line (Haematocrit/Haemoglobin (Hct/Hb)), Venous blood oxygen saturation (sO<sub>2</sub>), Venous blood temperature (venT)) and II) in the Arterial line: Arterial blood oxygen partial pressure (pO<sub>2</sub>), Arterial blood temperature (artT).

The cuvettes are intended for use in adult and pediatric surgical procedures requiring cardiopulmonary to support monitoring of above-mentioned parameters bypass. The devices are intended to be used for 6 hours or less. The B-Capta venous and arterial cuvettes must only be used with the B-Capta equipment.

The devices should be used by qualified and skilled personnel, able to follow the indications and instructions for use contained in the information provided by the manufacturer. Please contact us through our website ([www.sorinmanuals.com](http://www.sorinmanuals.com)) to receive instructions for use containing full prescribing information including indications, contraindications, warnings, precautions and adverse events.

The information contained in this summary represents partial excerpts taken from product labeling. The information is not intended to serve as a substitute for a complete and thorough understanding of the device nor does this information represent full disclosure of all pertinent information concerning the use of this product.



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**Cardiopulmonary**

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