

## Technical data

Display		
Characters	TFT colour graphic display, 65,000 colours, 128 x 160 dots	
Features	Oxygen saturation, Pulse Rate (PR), plethysmogram, bar graph, short and long term trend	
Indicators	Signal strength and signal quality, pulse amplitude, battery status, alarm mute	
Specification		
Measurement Range	SpO <sub>2</sub>	0 - 100 %
	Pulse Rate	20 - 300 bpm
	Perfusion Index	0.1 - 20 % (no motion)
Accuracy	SpO <sub>2</sub>	60 - 100 % +/- 2 Arms (no motion) <sup>1</sup>
		70 - 100 % +/- 3 Arms (motion condition) <sup>2</sup>
		60 - 100 % +/- 2 Arms (low perfusion, no motion) <sup>3</sup>
Pulse Rate	20 - 300 bpm +/- 2 bpm (no motion)	
Trend information		
Long term trend	more than 48 hours	
Short term trend	15 min / 30 min / 4 h	
Language versions		
Please indicate language version when ordering	Central Europe Version: GB, DE, ES, FR, HU, IT, NL, PL, PT, ZA	
	Scandinavian Version: GB, DK, FI, SE	
	Special European Character Version: GB, GR, RU, TR	
	Asia I: GB, CN, traditional CN	
	Asia II: GB, JP, KOR	
Environmental conditions		
Operation	-20 - 50 °C, 15 - 95 % RH (non-condensing), 600 - 1300 hPa	
Storage	-30 - 70 °C, 10 - 95 % RH (non-condensing), 600 - 1500 hPa	
Applied Standards		
Device incl. sensors	IEC 60601-1:2005 (3rd Ed); IEC 60601-1 (2nd Ed); IEC 60601-1-2 (3rd Ed) EN ISO 80601-2-61:2011; EN ISO 9919:2009 ISO 14971:2007; IEC 60601-1-6:2010; IEC 60601-1-11:2010; IEC 60601-1-8:2006 ISO 10993-1:2009; ISO 10993-5:2009; ISO 10993-10:2010	
Miscellaneous		
Dimensions (L x W x D)	11.8 cm x 6 cm x 2.5 cm	
Weight	approx. 160 g (including batteries, without sensor)	
Power supply	3 batteries (Mignon AA)	
Battery capacity	typ. 2 days / approx. 5 days in power save mode	
Protection class	IP32	
Communication interface	USB 2.0	
Order information		
	Item order no.	
OxyTrue® A, complete	9020112001-SC	
Please indicate delivery package version when ordering	<b>Delivery package standard:</b> OxyTrue® A, basic device, SC 7500 SMARTsat® soft sensor, PC evaluation software, USB data cable, silicone protector, 3 batteries (Mignon AA), hard shell carry case	
Accessories		
	Item order no.	
Carry bag	6020122001	
Device carry bag with shoulder strap - yellow		
Other sensors and accessories on request		

<sup>1</sup> A<sub>arms</sub>: +/- 1 Arms represents approx 68 % of measurements

<sup>2</sup> Tested with all motion patterns Index II

<sup>3</sup> Tested with Prosim 8 simulator

Specification subject to change

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All OxyTrue® A SpO<sub>2</sub> Monitors including SoftCap® Sensor are classified and certified as class IIb products.

For further information, please visit [www.bluepoint-medical.com](http://www.bluepoint-medical.com)

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# OxyTrue® A - SpO<sub>2</sub> Monitor

High performance SpO<sub>2</sub> without compromises



» PRODUCTS that care for you «

Rubber boot®

SMARTsat®

European Research Funding  
Europäische Fonds EFRE, ESF und ELER  
in Mecklenburg-Vorpommern 2014-2020

Made in Germany



## OxyTrue® A – Now with SMARTsat® technology! «



The new **OxyTrue® A** with integrated SMARTsat® technology is the result of the innovative strengths of **bluepoint®** MEDICAL.

The SMARTsat® technology platform was developed over the last few years in close cooperation with well-established research institutions and university hospitals.

The very latest and innovative signal processing technologies and algorithms enable precise measurements, even under very difficult physiological conditions. SMARTsat® technology has extremely low power consumption.

- Colour TFT-display, with excellent contrast and long life time
- Self-explanatory functions enable intuitive operation
- 20 language versions available

SMARTsat® has been validated within the range of 60 - 100 % SpO<sub>2</sub>.

### SMARTsat® ARMS in the SaO<sub>2</sub> ranges\*

	100 - 60 %	100 - 90 %	90 - 80 %	80 - 70 %	70 - 60 %
<b>Disposable Adult</b>	2.5	2.1	2.3	2.6	3.4
<b>Earprobe</b>	2.4	1.4	1.6	3.2	3.3
<b>SoftCap® Softsensor</b>	1.7	1.5	1.8	1.7	2.4
<b>SoftFlap® Fingerclip</b>	1.6	1.4	1.4	1.7	2.0
<b>SoftWrap® Wrapstyle</b>	1.7	1.3	1.5	1.9	2.4

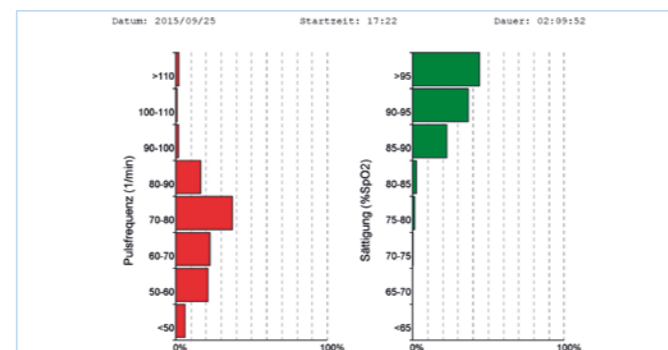
\* OEM III

### OxyTrue® A evaluation software

The OxyTrue® A PC-Software is used to download measurement data from the OxyTrue® A device onto your computer via USB interface.

The datasets can be viewed and patient data added. Datasets can be printed or exported as CSV file for processing with additional software.

With the OxyTrue® A PC-Software a static summary report can be generated for each dataset.



## Flexible robust and hygienic

**Bluepoint® MEDICAL** provides advanced sensors latest technology which features high quality and patient comfort.

### SoftCap® SC/SCM/SCP



### SoftWrap® W



SoftCap® and SoftWrap® sensors are ideally suited for the harsh everyday use in rescue services, in emergency medicine and in clinical functional areas. Reliable elimination of problematic pathogens using high-level disinfectants is possible due to the use of high-quality materials. This significantly reduces the risk of nosocomial infections. State-of-the-art manufacturing technologies, materials and design elements are used in these sensors.

### Additional sensors

#### SoftFlap® SF



SoftFlap® sensors are the ideal solution for ambulatory use, or for short-term monitoring.

#### Ear Sensor EP



High-quality ear sensor with very pleasant wearing comfort and utility. The ear sensor has an additional sensor holder which fixes the sensor during measurement reliable.

#### Disposables



Disposable sensors with Plaster Tape – high flexibility and adaptability distinguishes this particularly soft material. Available versions for adults, pediatrics, infants and neonates.



SoftCap® and SoftWrap® sensors can be reliably disinfected and cleaned by dipping into high-level disinfectants solutions.