



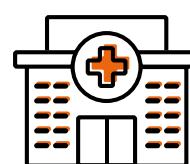
# Clinic, Emergency, MRI – optimized CAP201 versions

## Features

- Highest measurement accuracy
- Robustness guaranteed
- Low energy consumption
- Compensation of aging effects

**New!**

Customized for use in...



CLINIC



EMERGENCY



MRI

# Technical details

**cor science**



**CLINIC**

**EMERGENCY**

**MRI**

<b>CO<sub>2</sub> value output rate</b>	8/40 Hz (selectable)	
<b>Measurement resolution</b>	0.1 vol %	
<b>CO<sub>2</sub> units</b>	partial pressure in kPa and mmHg, concentration in Vol.%	
<b>Measurement accuracy (better than required by ISO 80601-2-55)</b>	In range [0, 3.7] vol%: approx. $\pm 0.26$ vol%	In range [0, 8]vol%: $\pm (0.26 \text{ vol\%} + 5\% \text{ of real concentration})$
	In range >3.7 vol%: approx. $\pm 7\%$ of real concentration	In range [8, 16]vol%: $\pm (0.43 \text{ vol\%} + 8\% \text{ of real concentration})$
<b>Measurement range</b>	[0, 16] vol%	
<b>Rise time T10-90</b>	<150 ms @ 80ml/min	
<b>Breathing rate range</b>	3 – 150 breaths/min	
<b>Calibration period (field)</b>	Not necessary	
<b>Start-up time (warm-up)</b>	< 5 s	
<b>Average power consumption</b>	1.0 W (+ 0.3 W with pump)	
<b>Temperature range</b>	[5, 45]°C	[-10, 65]°C
<b>Pressure range</b>	[700, 1100] hPa	[540, 1200] hPa
<b>Relative humidity range</b>	5 % – 95 %, non-condensing	
<b>Size of board</b>	70 mm x 40 mm x 26 mm (LxWxH)	
<b>Weight</b>	69 g (incl. pump)	
<b>Tolerant to magnetic fields up to 3T</b>	no	yes

## CONTACT

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