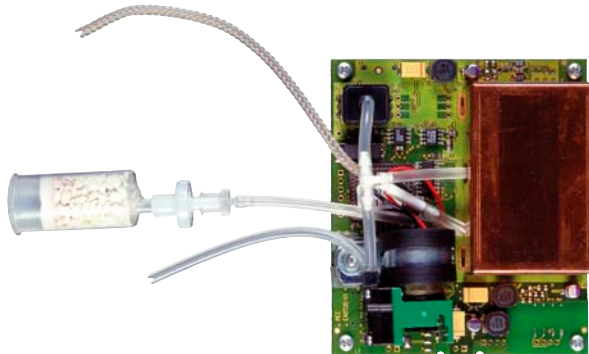


CAP100

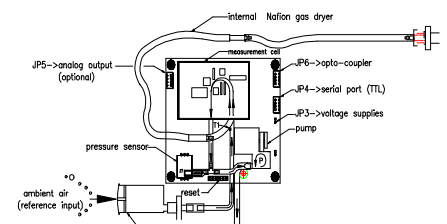
OEM side stream capnograph module



For monitoring of the expiratory CO₂ concentration of the breath and the respiration rate

- bi-directional serial port
- transfer of capnogram every 40 ms
- transfer of etCO₂ and respiration rate every second
- automatic temperature and pressure compensation
- adjustable flow
- nitrous oxide gas compensation
- boot flash for software updates

General specifications:	
Measurement procedure	IR photometric procedure
Measurement range and accuracy CO₂ module:	
etCO₂ range in mmHg	3-75 mmHg
etCO₂ range in %vol.	0.4-9.9 %vol.
Capnogram curve output range	0-75mmHg.
	0.0-9.9 %vol.
etCO₂ accuracy 3 – 40mm Hg (up to 60 bpm)	± 2 mmHg
0.4 - 5.0%vol.	±0.2%vol.
41 – 75mmHg (up to 60bpm) 5.4 - 9.9 %vol.	± 6% of measured value
Respiration rate range, incl. newborns, above 60bpm for trend analysis	2- >60 bpm
Respiration rate accuracy 2-60 bpm	± 1 bpm
Ambient conditions:	
Operating temperature range	5 – 40 °C
Storage temperature range	-20 - +70 °C
Humidity	0 – 95 % (non cond.)
Performance characteristics:	
Average current or power drain	1.3 VA
Supply voltage	7-15V
Absolute pressure range	600-1050 mbar
Absolute pressure accuracy	± 5 mbar
Flow adjustable	50,100,150 ml/min
Dimensions (wxdxh)	90 x 78 x 25 mm



CAP100 is a module for measuring and monitoring the end tidal CO₂ concentration or the CO₂ partial pressure of the respiratory gas and the respiration rate. For fast and quantitative recordings these parameters are used by infrared spectroscopy.

CAP100 is designed as a sidestream capnograph. From the respiratory flow of the patient a pump sucks in respiratory gas at an adjustable gas flow.

The tested according to:

Radiated electromagnetic fields (IEC 1000-4-3)
Emission of radiated interference parameters (EN 55011:1991)
EN 864

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