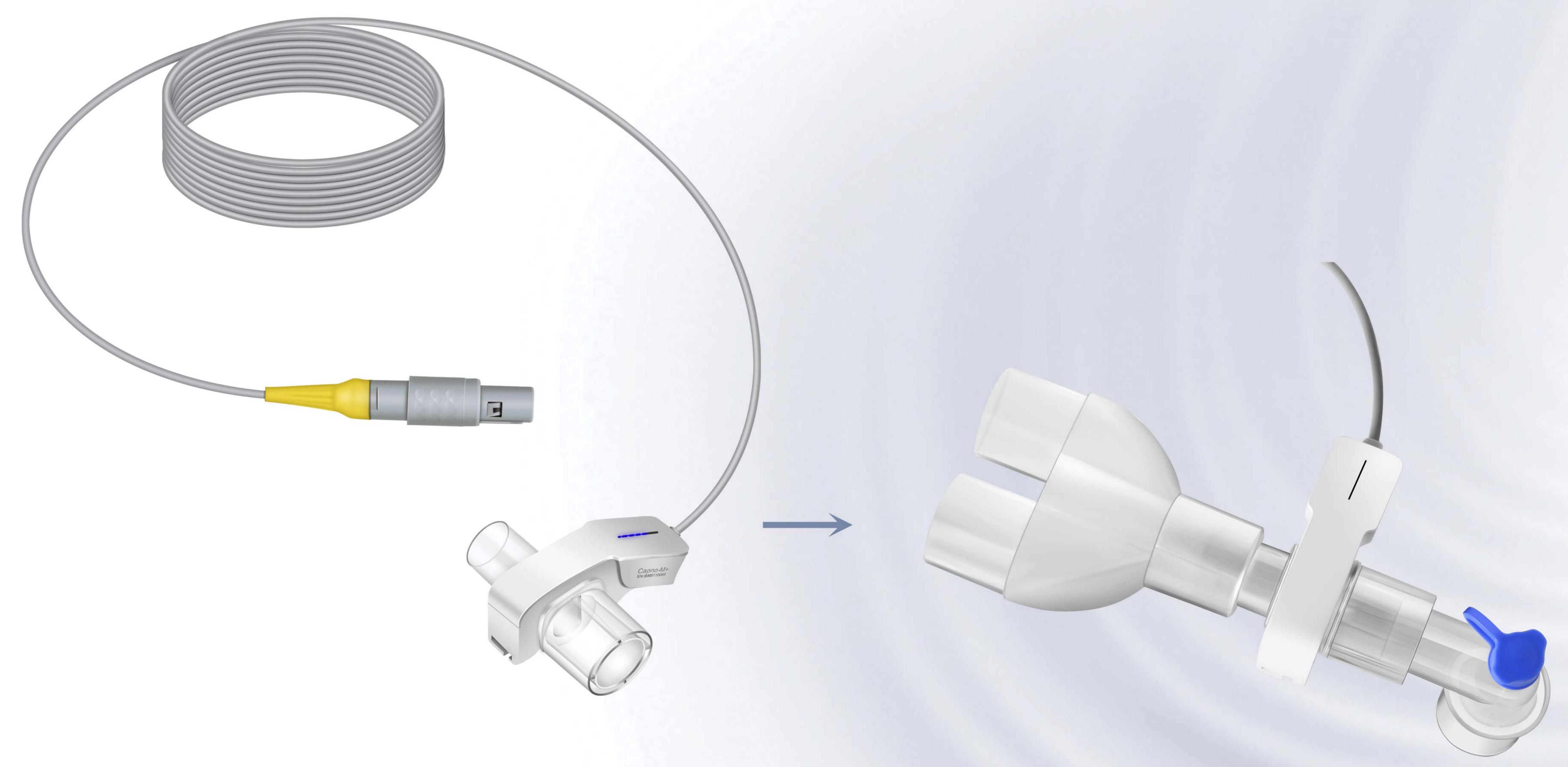


Kingst® Mainstream EtCO2 Module Capno-M+



Capno-M+ Mainstream EtCO2 Module: Intubated Mode



Capno-M+ Mainstream EtCO2 Module: Non-intubated Mode

Features

- A. PATENTED PRODUCT. With compact design to fit two different airway adaptors, make the mainstream module monitor both intubated and non-intubated patient; special breathing bank light visually displays patient's respiratory status and CO2 expiratory volume.
- B. PLUG AND PLAY. The host only needs a standard Remo socket and Internal serial port without interior space and circuit.
- C. HIGH ACCURACY. Meticulously chosen narrow band optical filter, infrared source and delicately designed hardware electrical circuitand software algorithm ensure to realize high SNR (signal to noise ratio) gas concentration measurement and ensure the measurement accuracy in the range of 5-50°C of temperature and within 0-20% of concentration.
- D. LOW POWER CONSUMPTION. Suitable for battery use
- E. AUTOMATIC PRESSURE COMPENSATION. Within very wide pressure range of 400-860mmHg, it maintains measurement accuracy by onboard barometric sensor
- F. INTERFERENCE GAS COMPENSATION. Through receiving the parameters of input interference gas from the host, it can automatically fulfill compensation calculation so as to ensure the measurement accuracy under any conditions.
- G. IMMEDIATELY TO ACTIVATE. Power on in ten seconds, to get accurate data.
- H. ADULT/PAEDIATRIC, OR NEONATE AIRWAY ADAPTER can continuously work in long time and be used repeatedly, reducing costumer's usage cost.
- I. COMPREHENSIVE OEM RESOLUTION OF CO2. Multiple communication protocols. Moreover, our long-term and accumulated technology and experience easily help you to realize upgrading technology and performance.

Performance of the module

Technique: Non-dispersive infrared gas analysis, Multi-channel

infrared detector, Infrared resource, no moving ports

Storage: -40to 70°C, <90% RH, non-condensing Operation: 5 to 50°C, 10 to 90% RH, non-condensing

Circumstance pressure: 55-115kP

Power demand: 5 V±5% (max ripple 200 mVp-p)

Power consumption: <150mA

Interface: RS-232/ Standard E-8-1,38.4 kBaud,10ms

data interval(KM) or customized communication protocol.

CO2 measurement range: 0-19.7%, 150mmHg, or 0-20kPa

CO2 resolution: 0.1mmHg CO2 measurement accuracy:

0 - 40 mmHg ± 2 mmHg

41 - 70 mmHg ± 5% of reading 71 - 100 mmHg ± 8% of reading 101 - 150 mmHg ± 10% of reading

Respiration rate: 2-150 bpm

Respiration rate accuracy: 1% ±1bpm

Compensation: N2O,O2,Agent(HOST supplied)

Barometric Pressure compensation: 400 to 860mmHg automatic for Capnometers ISO80601-2-55

Warm-up time: To reach designed deviation 97% within 8s, to

reach designed deviation within 20s

Rise time: About 70ms

CO2 Stability:

Shortly drifting less than 1mmHg, after 4 hours' power on. Longly drifting does not influence nominal accuracy after

continuous 140 hours' power on.

Calibration: No routine user calibration required, Zero: zero proceeding when replacing adaptor EtCO2 calcualtion: every breath, 10 or 20s averagely

IPX4-Splash-proof

Shock Impact: IEC TR 60721-4-7 Class 7M3, EN60068-2-27

Shock, EN60068-2-64 Random vibration

Regulatory Designed to meet the following standards:

IEC 60601-1-2, EN55011 - CISPIR 11 Class B IEC 61000-4-2 Electrostatic Discharge Immunity,

IEC 61000-4-3 Radiated Immunity,

Designed to comply with 93/42/EEC (MDD CE Marking), FDA Standards, Minimum Performance and Safety Requirements

Configurations of the module's accessories

Airway Adaptor		Patient Type	Color	Weight	Dead Speace	ET tube Size	Materia	Unit Packaging
	A3 668502	Adult/ Pediatric	Clear	7 g	5cc		Polycar- bonate	10
	A3N 668504	Infant	Clear	11g	1cc	=<4mm	Polycar- bonate	10
Oral-nasal Adapter								
	A5 668531	Adult/ Pediatric	Clear	5 g	1cc		Polycarbonate and Silica	10
	A5N 668532	Infant	Clear	5g	1cc		Polycarbonate and Silica	10
Adjustable Bandage								
	668535		Clear	4g			PVC	10

