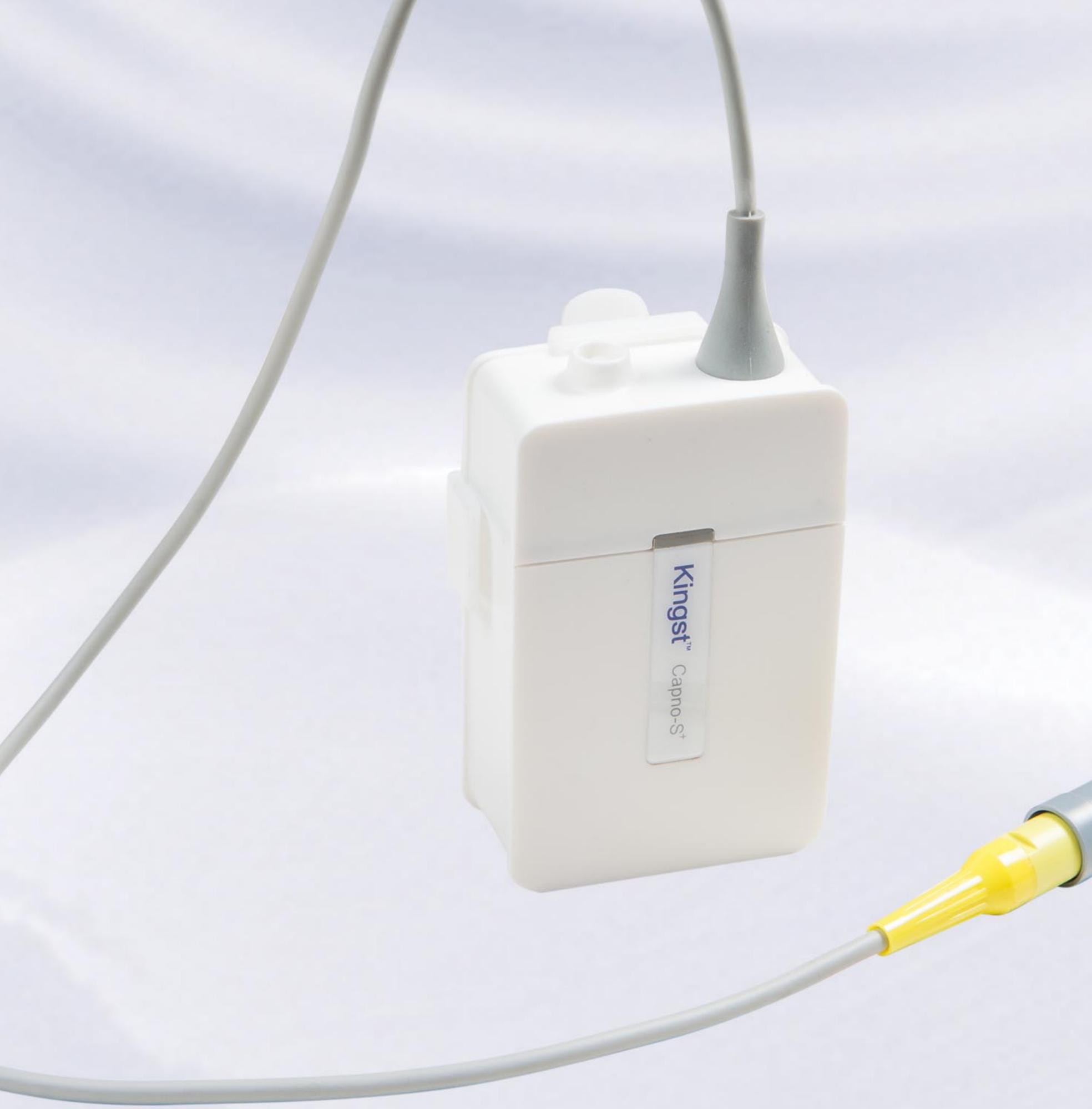
Kingst[®] Plug and Play EtCO2 Module Capno-S+

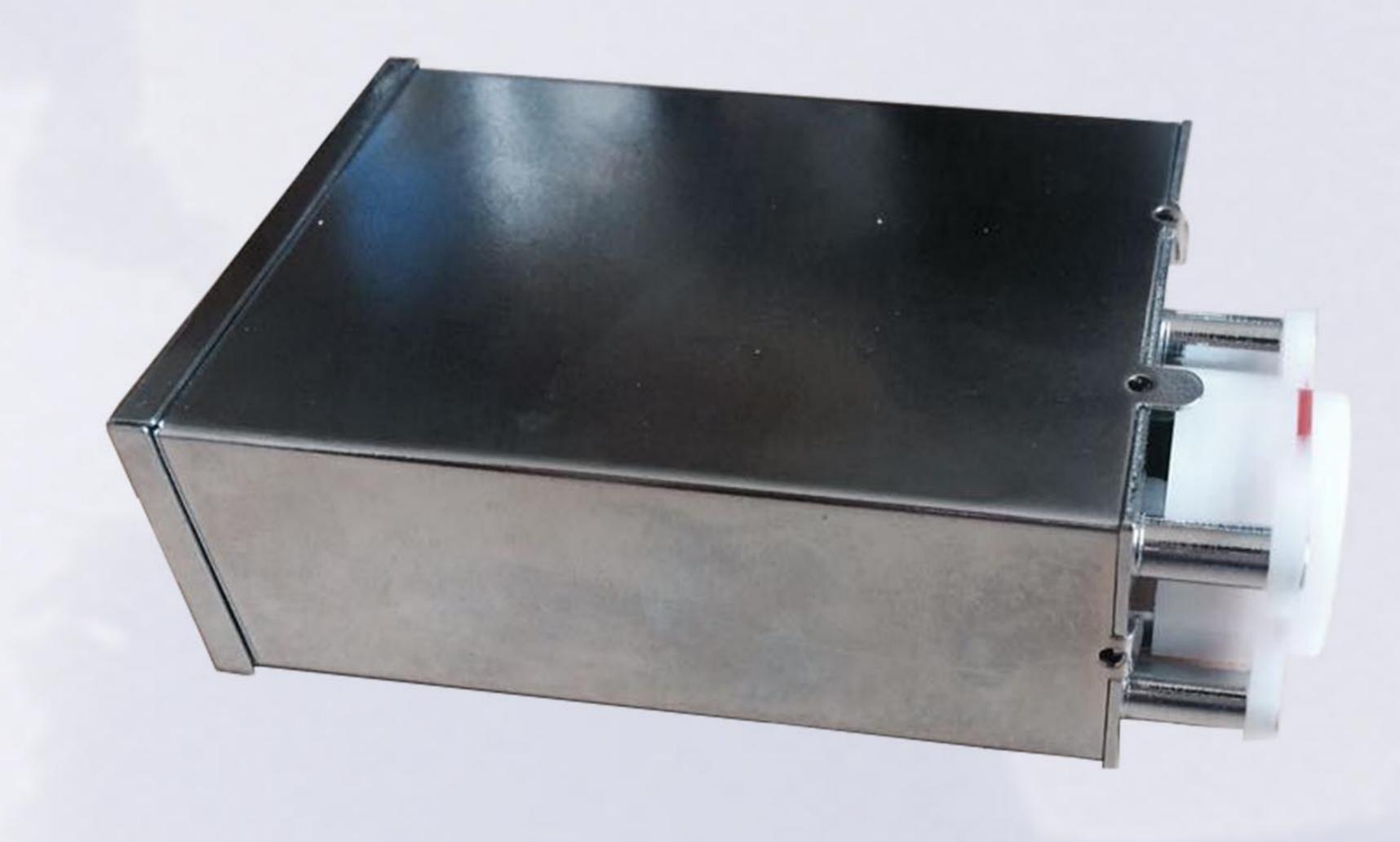
Capno-S+ EtCO2 Module 665513

Product Features

- A. PLUG AND PLAY. The host only needs a standard Remo socket and Internal serial port without interior space and circuit.
- B. **HIGH ACCURACY**. Temperature and Pressure Compensation, ensure the accurate measurement within 0-20% of range.
- C. NO ROUTINE USER CALIBRATION REQUIRED. Very few zero is required.
- D. THE EXTREMELY LONG LIFE AND VERY LOW NOISE. Multi-dimensional and redundant design for gas path, hardware and software ensure long-term stability of the module. it does not need to calibrate within its lifespan.
- E. LOW POWER CONSUMPTION. Suitable for battery use
- F. AUTOMATIC PRESSURE COMPENSATION. Within very wide pressure range of 400-960mmHg, it maintains measurement accuracy by onboard barometric sensor
- G. THE PATENTED FILTER can continuously work in long time and be used repeatedly, reducing costumer's usage cost.
- H. THE DEDICATED FI-LOCK inlet port can intellectively identify and indicate the status of the filter's plug-in and respiration
- 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.



External Application



CapnoCore2 Internal EtCO2 Module



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

infrared detector, Infrared resource, no moving ports

Storage: -40 to 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 normally

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

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

designed deviation within 20s

Rise time: About 200ms

CO2 Stability: Shortly drifting less than 1mmHg,after 4 hours' power on. Longly drifting does not influence nominal accuracy after continu-

ous 140 hours' power on.

Water filter Detection: Insertion automatically turns sampling pump

on. Removal automatically turns sampling pump off

Flow set: 50-150ml/min selectable

Exhaust Port: Yes

Calibration: No routine user calibration required

Zero: Very few zero only when needed

EtCO2 calcualtion: every breath, 10 or 20s averagely

Water Resistance: IPX4-Splash-proof(when water filter inserted)
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 for Capnom-

eters ISO80601-2-55

Accessories' Features and Configurations			rector	bance	arent ance	age	- O	7	Ver	Unit packaging
	Water Filter		Luer	Filter membar	Moisture transparent membance	Storage	Term	Patient type	Recover	Unit pack
		T3 Filter 664511	Female			0.5ml	Long	Adult Pediatric Infant	8 hours	10
idestream module		T4F Filter 664522	Female			1.3ml		Adult Pediatric Infant	24hours	25
		T4M Filter 664523	Male			1.3ml	Long	Adult Pediatric infant	24hours	25
	Sample line		Luer Connector	Length	Patient	O2 tubing	Adult	Pediatric	Infant	Unit packaging
		Sample line 662503	Female	2.4m	Intubated					10
	CO2	Nasal tube 660423	Female	2.4m	Unintubated					10
40	CO ₂	Nasal tube 660424	Female	1.5m	Unintubated					10
		Nasal tube 660425			Unintubated					5
	CO2/O2	Nasal tube 660426	Female	2.0m	Unintubated					5

Airway Adapter



