

Floline

Mainstream System



Expertise with mainstream CO2 monitoring technology



Transducer type	Mainstream ETCO ₂ System
Working principle	Non-dispersive infrared (NDIR) single beam optics, dual wavelength, no moving parts
Initialization time	Capnogram displayed in less than 2 seconds, at an ambient temperature of 25°C, full specifications within 10 minutes
Measuring range	0 – 150mmHg ; 0 – 20.0% ; 0 – 20 KPa
Resolution	0.1mmHg ; 0 – 69mmHg ; 0.25mmHg ; 70 – 150mmHg
Rise time	Less than 60ms
Accuracy	0–40mmHg ±2mmHg ; 41–70mmHg ±5% reading ; 71–100mmHg ±8% reading ; 101–150mmHg ±10% reading
Respiratory rate range	0 to 160 Breaths Per Minute (RPM)
Respiratory rate accuracy	±1 Breath
Compensations	Automatically 400mmHg to 800mmHg
Compensations (Hoist supplied)	O ₂ Compensation ; N ₂ O Compensation ; Anesthetic gas Compensation
Calibration	No routine user calibration required, only when replacing the airway adapters
Airway adapter detection	Plug in- Analysis automatically started, green light flashing Unplug – Analysis stopped, red light flashing
Airway adapter	Single-patient-use or reusable, <5cc dead space(adult), <1cc dead space(infant), Adapter taper meets ISO5356-1
Voltage requirements	5VDC±5%
Power rating	Less than 1W
Temperature and humidity	Operating : 0° to 40°C , 10% to 90%RH , non-condensing Storage : -40° to 70°C , <90%RH , non-condensing
Water resistance	IPX-4
Shock impact	IEC TR 60721-4-7
Data interface	RS232
Data output	ETCO ₂ , FiCO ₂ , RR, Real-time CO ₂ concentration
Regulatory than can be met	IEC60601-1-2, EN55011 – CISPR 11 Class B (Radiated and Conductive Emissions), IEC61000-4-2Electrostatic Discharge Immunity, IEC61000-4-3Radiated Immunity. Medical Electrical Equipment performance requirements for the basic safety and essential performance of respiratory gas monitors.

Please contact us on 1300 378 713 for more information

Expertise with sidestream CO₂ monitoring technology



Transducer Type	SidestreamETCO ₂ System
Sampling rate	(50±10)ml/min
Working principle	Non-dispersive infrared (NDIR) single beam optics, dual wavelength, no moving parts
Initialization time	Capnogram displayed in less than 2 seconds, at an ambient temperature of 25°C, full specifications within 10 minutes
Measuring range	0 – 150mmHg 0 – 20.0% 0 – 20 KPa
Resolution	0.1mmHg ; 0 – 69mmHg ; 0.25mmHg ; 70 – 150mmHg
Accuracy	0-40mmHg +2mmHg; 41-70mmHg +5% reading; 71-100mmHg +8% reading; 101 -150mmHg +10% reading; Above 80BPM +12% reading
Respiratory rate range	0 to 160 Breaths Per Minute (RPM)
Respiratory rate accuracy	±1 Breath
Compensations	Automatically 400mmHg to 800mmHg
Compensations (Hoist supplied)	O ₂ Compensation ; N ₂ O Compensation ; Anesthetic gasCompensation
Calibration	No routine user calibration required
Sample cell/filter	Proprietary single patient use sample cell and inline filter are integrated with the sampleline which eliminates contamination of the internal system
Nasal sampling kits for non-intubated patients	Adult and pediatric nasal/oral CO ₂ sampling, nasal/oral CO ₂ sampling and O ₂ delivery
On-airway adapter kitsfor intubated patients	Adult/Pediatric with and without dehumidification tubing Pediatric/Infant, low dead space, conforming to ISO 5356-1
Sample kit hours of use	Nasal Cannula <2 weeks ; On-Airway Adapter Kits <2 weeks
Sample cell detection	Insertion automatically turns sampling pump on. Removal automatically turns sampling pump off
Scavenging port	Yes
Voltage requirements	5VDC ±5%
Power rating	Less than 1.3W
Temperature and humidity	Operating : 0° to 40°C , 10% to 90%RH , non-condensing Storage : -40° to 70°C , <90%RH , non-condensing
Water resistance	IPX-4
Shock impact	IEC TR 60721-4-7
Data interface	RS232
Data output	ETCO ₂ , FICO ₂ , RR, Real-time CO ₂ concentration
Requirements that design can meet	IEC60601-1-2 , EN55011 – CISPIR11 Class B (Radiated and Conductive Emissions), IEC61000-4-2Electrostatic Discharge Immunity, , IEC61000-4-3Radiated Immunity, Medical Electrical Equipment performance requirements for the basic safetyand essential performance of respiratory gas monitors.

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