



Volumetric CO₂ option, an advanced tool for the assessment of ventilation and metabolism

Conventional mainstream capnography allows only qualitative measurements. State of the art volumetric capnography with quantitative CO₂ measurement allows assessment of the metabolism as an early indicator of sepsis.

HAMILTON MEDICAL ventilators with proximal flow measurement and proximal mainstream CO₂ measurement give a valuable insight into patient's conditions, offering real volumetric capnography in mechanical ventilation. The CO₂ elimination ($\dot{V}CO_2$) allows an assessment of the metabolism. Quantified information about airway dead space (VDaw) and alveolar minute volume ($\dot{V}alv$) is

provided in an intuitive way. With the alveolar minute volume you can get a grip on the quality of ventilation. Detect the start of sepsis through the enhanced metabolic activity indicated through the increase of CO₂ elimination. For applications, where sidestream capnography is standard, the sidestream option provides CO₂ measurement with minimal sample flow and minimal added dead space. The full compensation of sampling flow by HAMILTON ventilators, allows the combination of volume target ventilation and capnography, even for neonates.

More information: www.hamilton-medical.com

Accessories & Consumables



HAMILTON main stream CO₂ sensor

Mainstream CO₂ sensor for volumetric capnography with HAMILTON ventilators.

REF 281718

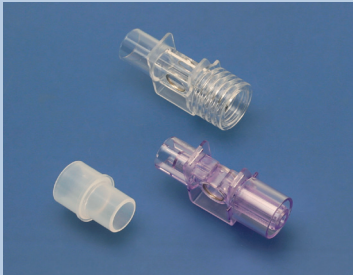


HAMILTON CO₂ airway adaptor, reusable

For volumetric capnography at adults and children; option for reduced dead space available for tubes ≤4mm;

REF 281721 adults

REF 281722 neonates



HAMILTON CO₂ airway adaptor, disposable

For volumetric capnography at adults and children; option for reduced dead space available for tubes ≤4mm;

REF 281719 adults/pediatrics

REF 281720 neonates



HAMILTON sidestream CO₂ sensor

For CO₂ measurement with sidestream procedure.

REF 281928



HAMILTON sidestream airway adaptor

For CO₂ monitoring; option for reduced dead space available for tubes ≤4mm;

For active humidification, option with filter is available;

REF 281931 adults/pediatrics

REF 281932 neonates

HAMILTON CO₂ measurement

CO₂ main stream and sidestream consumables

REF 281718	HAMILTON mainstream CO ₂ sensor
REF 281719	CO ₂ adult airway adapter, single-patient use, box of 10
REF 281720	CO ₂ neonatal airway adapter, single patient use, box of 10
REF 281721	CO ₂ adult airway adapter, reusable, box of 1
REF 281722	CO ₂ neonatal airway adapter, reusable, box of 1
REF 281803	15mm male/female adapter for infant flow sensor, package of 25
REF 281928	HAMILTON sidestream CO ₂ sensor
REF 281929	Sidestream airway adapter adult (10pcs/box)
REF 281930	Sidestream airway adapter infant (10pcs/box)
REF 281931	Sidestream airway adapter adult with dehumidification for long term use (10pcs/box)
REF 281932	Sidestream airway adapter infant with dehumidification for long term use (10pcs/box)

Compatible with the CO₂-Option:

(Required CO₂ preparation kit)

HAMILTON·C2

HAMILTON·G5

HAMILTON·S1

HAMILTON·T1

HAMILTON·C1

Your contact:

HAMILTON MEDICAL AG

Via Crusch 8, CH-7402 Bonaduz, Switzerland

☎ (+41) 81 660 60 10 📠 (+41) 81 660 60 20

✉ info@hamilton-medical.com, www.hamilton-medical.com

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MEDICAL