



Dräger Scio Four Monitorering av anestesigass

O₂, CO₂, N₂O and volatile anaesthetic agents at a glance: Scio Four modules measure real-time inspiratory and expiratory breathing gas concentrations. Used with a Dräger Infinity Acute Care System or a Dräger Vista Patient Monitoring Solution, precise and reliable concentration data and curves are displayed exactly where you need it.

Highlights

Accurate Real-Time Gas Measurement

Whether inspiratory or expiratory concentration values for O₂, CO₂, N₂O or anaesthetic agents:

- Dräger Scio Four modules measure precise and reliable concentration data, which is transferred to a Dräger Infinity Acute Care System or a Dräger Vista patient monitor to make your desired values available to enable targeted and safe anaesthesia
- As a modular extension to your patient monitoring setup, Scio Four enables to replenish the data on your patient monitor with additional parameters and curves regarding O₂, CO₂, N₂O and anaesthetic agents
- For clinically relevant parameters provided by Scio Four, adjustable alarm limits are available on the patient monitor

Scalable Solutions for every Application

The Scio Four family consists of four different variants making it both flexible and scalable to configure a system setup exactly meeting your needs.

Option with O₂ measurement

- Scio Four's Oxi variants measure inspiratory and expiratory O₂ concentrations using a paramagnetic oxygen sensor
- Unlike electrochemical sensors, the consumption-free paramagnetic measurement method helps to reduce maintenance costs

Option with automated agent identification and mixture measurement

- Scio Four's plus variants feature automated anaesthetic agent identification with simultaneous measurement of up to two anaesthetic agents

Enhanced Intraoperative Patient Safety

Scio Four does even more than measure gas concentrations in the breathing circuit.

- In combination with a Dräger Infinity patient monitor or a Dräger Vista patient monitor, MAC values for anaesthetic agents are displayed, contributing to avoid under- and overdosage so optimal gas concentrations can be maintained while supporting targeted anaesthesia
- Scio Four comes equipped with the WaterLock 2 water trap with a dual hydrophobic diaphragm design. Its small pores allow gases to pass freely while reliably protecting the patient as well as the sensor of the Scio Four from condensation, pathogens, and other contaminants
- Automatic detection of volatile anaesthetic agents helps to make the workflow easier and enhances patient safety

Sustainability and Reliability

Scio Four has been developed to require minimal maintenance and has a long service life. The Dräger infrared spectroscopic sensor technology used in the gas measurement modules involves no moving parts such as e.g., filter wheels, making it durable.

- Due to the filter performance of WaterLock 2 the sample gas can be recycled back into the breathing system contributing to save anaesthetic agents and to reduce the ecological footprint
- Even under challenging conditions such as minimal flow anaesthesia, where heavy condensation can be a problem, the sample and purge gases remain free from condensation assuring accurate capnography
- WaterLock 2 can be easily emptied by the operator and only requires monthly replacement making it highly economical

Accessories



Gas sample line

The Dräger gas sample line is optimised for accurate readings and good curve display.



Gas sample recycling

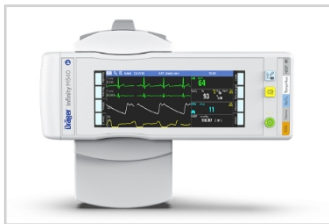
So long as the anaesthesia machines have a corresponding functionality, the sampling gas can be recycled back into the breathing system. This means that low flow anaesthesia can be used, thereby allowing optimum conditioning of the breathing gas to ensure gentle ventilation of your patients. It also significantly reduces the consumption of volatile anaesthetic agents.

Connective Products



Infinity Acute Care System

- C500 and C700 integrates physiological monitoring with a medical-grade workstation for real-time vital signs and clinical data management.
- Customize monitoring display based on your department and patient acuity
- Access your hospital web-based clinical applications using configurable tabs without obscuring active monitoring



Infinity M540

- Designed for intra-hospital transport and the flexibility for advanced critical care
- Single handed undocking and docking helps to ensure fast transport to Pick and Go
- Stores up to 72 hours of trends and events, accessible upon docking
- Advanced measurements are easily added without compromising cable management

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