Drager SCIO Four

The Scio Four Family consists of four different versions: options include automatic anesthetic agent identification as well as agent mixture measurement and integrated O2 measurement. The modular design of the Scio Four Family makes it both flexible and scalable. If you have an integrated O2 measurement in your Fabius device, a gas measurement module without oxygen sensor will meet your needs. This means you get just the system you need PIP, no more, no less.

The Scio Four Family does more than just measure gas concentrations in the breathing circuit. In combination with Drager Infinity monitors, MAC values for anesthetic agents are displayed, helping you to avoid under- and overdosage. This means you can maintain optimal gas concentrations while making sure that ventilation is adequate.

You also have the option of measuring inspiratory and expiratory O2 concentrations using a paramagnetic oxygen sensor. This consumption-free measurement method, unlike electrochemical sensors, results in reduced costs for you.

The Scio Four Family comes equipped with the WaterLock 2 water trap. The 2m pores of its dual hydrophobic membrane design let gases pass freely while effectively preventing microbial contamination and condensation. Even under challenging conditions such as minimal flow anesthesia, where heavy condensation can be a problem, accurate capnography is assured. Sample and purge gases remain free from condensation. Highly economical, the WaterLock 2 can be emptied at any time and only requires monthly replacement.

Features

- With Automatic Agent ID and Integrated O2 Measurement
- The user can maintain optimal gas concentrations while making sure that ventilation is adequate
- There is the option to measure inspiratory and expiratory O2 concentrations using a paramagnetic oxygen sensor.
- Comes equipped with the new WaterLock 2 water trap. The 2 m pores of its dual hydrophobic membrane design let gases and water vapor pass freely with minimal pressure gradients while effectively preventing microbial contamination and condensation

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Specifications

Dimensions	Gamma: 196 mm height (7.7 in), 249 mm width (9.8 in), 134 mm depth (5.3 in) Gamma XL: 196 mm height (7.7 in), 267 mm width (10.5 in), 147 mm depth (5.8 in) Weight Gamma: 3.42 kg (7.54 lb) with lead acid battery, 3.22 kg (7.10 lb) with lithium ion battery, 2.87 kg (6.32 lb) without battery Weight Gamma XL: 3.87 kg (8.54 lb) with lead acid battery, 3.67 kg (8.10 lb) with lithium ion battery, 3.32 kg (7.32 lb) without batteryy
Materials	Plastics: ABS, FR 110 Printed Circuits: glass/epoxy, lead/tin solder, copper etch, lithium battery Battery: sealed lead acid, or lithium ion (option) Heatsink: cast aluminum NBP assembly: silicon tubing, steel, copper wire Packing: corrugated cardboard, urethane foam
Disposal	All materials must be disposed of or recycled properly and in accordance with local regulations. There are no known special disposal requirements for any accessories
Protection Class	Internally powered, for use with specified Class I power supply
Mode of Operation	Continuous (with external source of power via AC adapter, CPS, or IDS).
DC Input	11 - 14 VDC, 2.5 A.
Battery Operating Time (NBP measurements every 15 minutes, no etCO2, at 25°C)	Lead acid: 75 minutes Lithium ion: 180 minutes
Battery Recharging Time	Lead acid: 5½ hours, typical. Lithium ion: 8 hours, typical.

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