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# Certifier™ Anesthesia Sensor Kit

Model 4093



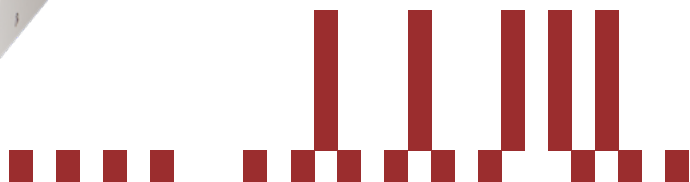
**The Anesthesia Sensor accessory is used with the Certifier™ Plus and Certifier™ Pro test systems to measure the concentration of anesthetic agents, CO<sub>2</sub>, and N<sub>2</sub>O gases.**

Anesthetic agents Halothane, Enflurane, Isoflurane, Sevoflurane and Desflurane are detected and measured by the sensor in real-time. The Anesthesia Sensor can be used to test the performance of anesthetic gas delivery machines during maintenance, repair, or calibration.

The Anesthesia Sensor easily connects to the USB-A port of the Certifier™ instrument and functions seamlessly through the Certifier's display interface. The Anesthetic agent is detected and displayed by the Certifier, and readings from the anesthesia sensor are displayed as percentage values. The sensor can be zeroed by users in the field and does not require factory calibration.

## Features and Benefits

- Compact design
- Fast response time
- Plug and play operation with Certifier Plus/Pro
- Easy to operate via Certifier interface
- Data acquisition and export
- Maintenance-free



## Specifications

# Certifier™ Anesthesia Sensor Kit Model 4093



The model 4093 Certifier™ Anesthesia Sensor Kit includes the anesthesia sensor, DB9 to USB cable converter, and adult airway adapter.

	Gas	Range	Accuracy
Measurements	CO <sub>2</sub>	0 to 15 vol% 15 – 25 vol%	± (0.2 vol% + 2 % of reading) Unspecified
	N <sub>2</sub> O	0 to 100 vol%	± (0.2 vol% + 2 % of reading)
	HAL, ISO, ENF	0 to 8 vol% 8 to 25 vol%	± (0.15 vol% + 5 % of reading) Unspecified
	SEV	0 to 10 vol% 10 to 25 vol%	± (0.15 vol% + 5 % of reading) Unspecified
	DES	0 to 22 vol% 22 to 25 vol%	± (0.15 vol% + 5 % of reading) Unspecified
Rise Time	CO <sub>2</sub> < 90 ms, N <sub>2</sub> O < 300 ms, Anesthetic Agents < 300 ms		
Monitoring	Real-time readings on Certifier™ interface, save and export data via USB		
Physical	Weight	< 25 g (excluding cable)	
	Dimensions	3.8 × 2.9 × 3.1 cm (1.49 x 1.14 x 1.22 inches)	
	Cable Length	2.5 m (98 inches)	
	Power Supply	4.5 to 5.5 VDC	
Environmental	Operating	10 - 40 °C (50 - 104 °F)	
	Storage	-20 - 50 °C (-4 - 122 °F)	
	Humidity	10 - 95%, non-condensing	
	Atm. Pressure	500 to 1200 hPa (at 5572 m)	
Compliance	EN ISO 80601-2-55:2018, EN 60601-1-2:2015, EN ISO 5356-1:2015		

Specifications are subject to change without notice.

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