Anesthetic Agent Analyzer

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CE

NEW

AA-8100

Features - AA-8100

◇ **Auto Agent ID**

◇ **Bluetooth**

◇ **iOS and Android Apps myBC_Mobile**

◇ **100 Downloadable DUT Tag Fields**

◇ **State-of-the-art NDIR (Non-Dispersive Infrared) Technology**

◇ **Measures 4 Anesthetic Agent Gases:**

Sevoflurane, Isoflurane, Desflurane, Halothane

◇ **Measures CO_2**

◇ **Small, Portable unit with adjustable Handle/Stand**

◇ **Large Graphical Display with Backlight**

◇ **User Friendly Interface:**

One Button or Auto Agent Select

One Button Sample (Pump) Control

◇ **Auto compensation for Temperature and Barometric Pressure**

◇ **Built in Sampling Pump**

◇ **Gas Flow Sampling at 200 ml/min**

◇ **Manual, Automatic & Remote Operation**

◇ **Internal Data Logging with Date, Time and DUT Tag - 1000 Samples**

◇ **Rechargeable Battery**

◇ **USB Computer Interface**

◇ **Field Upgradeable - Flash Memory**

◇ **Fast warmup time (45 seconds)**

◇ **Comes with NIST Traceable Calibration Certificate with Data (12 Points)**

◇ **Service Tool for anesthesia service application (NOT FOR CLINICAL USE)**

◇ **Made in USA**

AA-8100

The AA-8100 is an enhanced version of the AA-8000, adding Auto Agent ID, Bluetooth, iOS and Android Apps, CO_2 Gas Analysis and 100 DUT Tags - downloadable from a PC, tablet or smartphone. It was designed to meet the demand for a more advanced, small, easy to use unit with high reliability and accuracy. Utilizing proprietary state-of-the-art digital NDIR (Non-Dispersive Infrared) Technology it provides a cost effective, high function, microprocessor-based analyzer that is simple to operate while maintaining high performance and accuracy.

The unit's flexible design, portable size and Bluetooth smart device interface make it the ideal service tool for anesthesia service applications in hospitals and surgical centers. It has a slanted display and adjustable handle/stand to allow for ease of viewing. The internal rechargeable Lithium battery provides for hours of continuous operation.

Auto Agent ID or Manual One Button selection of the Agent to be analyzed coupled with One Button control over the sampling pump make the unit simple and quick to use. No complex menus and key combinations are required.
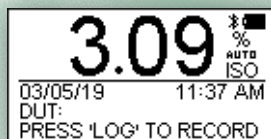
The internal data logger combined with the internal clock allows for the storage of up to 1000 time and date stamped readings, that can be downloaded to a computer using the USB interface or smart device via Bluetooth. The AA-8100 may be operated remotely via USB or Bluetooth.

SCREEN VIEWS

Automatic Agent Selection: Sevoflurane

Manual Data Reading of Isoflurane

Automatic Data Logging of Halothane

MOBILE APP

Download myBC_Mobile for your iOS or Android Device

SPECIFICATIONS

GENERAL	
Model	AA-8100 Anesthetic Agent Analyzer with Auto Agent ID
Measurement Technology	NDIR (Non-Dispersive Infrared)
Gases	Sevoflurane, Isoflurane, Desflurane and Halothane
Accuracy	+/-(0.05% Vol% + 4% relative)
Range (Iso, Sevo and Halo)	0 to 8.00%
Range (Des)	0 to 20.00%
Range (CO2)	0 to 10.00%
Resolution	0.01%
Detection Minimum	0.15%
Sampling Method	Suction Pump (internal)
Internal Memory	Flash
Interface	USB & Bluetooth

ELECTRICAL	
AC Power	90 to 275 VAC, 50/60 Hz
AC Power Adapter	12 VDC, 500 mA BC20-21115 (Universal)
Battery	Internal Rechargeable Li-Ion battery pack
Battery Runtime	12 Hours Continuous

PHYSICAL & ENVIRONMENTAL		
Display	128 X 64 Pixels Graphical LCD, White LED Backlight	
Size	7.9 x 6.8 x 3.0 Inches (200 x 173 x 76 mm)	
Weight	< 3.5 Lbs. (1.6 kg)	
Construction	ENCLOSURE	ABS Plastic
	OVERLAY	Back-Printed Lexan
Operating Range	59 to 104 °F (15 to 40 °C)	
Storage Range	-4 to 140 °F (-20 to 60 °C)	

The data log also records a DUT (Device Under Test) Tag Number with each record. The DUT Tag is user selectable from a stack of 100 manually entered or downloadable Tag Numbers.

Apps allow for the storage of an equipment list of devices to be tested. The bar code scanner feature will pull up the previously entered device information and add current testing to create a new test report.

Apps Test Reports include DUT Tag, DUT Location, Time and Date stamped test results, Tech ID, AA-8100 Model Number and Serial Number.

Flash Memory and the USB interface allow for field upgrades with downloads from our website.

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