

800.795.3062  
[ambickford.com](http://ambickford.com)  
[sales@ambickford.com](mailto:sales@ambickford.com)

**A.M. BICKFORD**  
 SINCE 1974 • SAME NAME • SAME COMPANY inc.

## RIKEN FI-8000 PORTABLE GAS INDICATOR

A.M. Bickford has built a reputation of quality, safety, durability, and trust. We have partnered with Riken-Keiki for more than 40 years to distribute, sell, and service the Riken Gas Indicator that tests anesthetic vaporizer concentration output. A.M. Bickford is honored to be the Authorized US Distributor and Calibration Service Provider for the FI-8000P Riken Gas Indicator.



The Riken Keiki Co. Ltd. is the world leader in gas detection and sensor technologies, offering more than 100 different models of gas detection and environmental measurement products.

### Features at a glance:



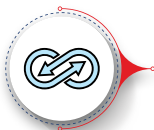
#### NEW Software

User friendly, faster results and saves time



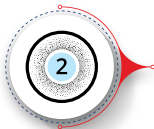
#### Back-Lit Screen with Direct Digital Readout

Excellent brightness to read test results easily and clearly



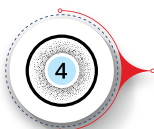
#### Continuous Pump

Provides a constant flow of anesthetic gas for testing



#### Two Carrier Gases

Oxygen and air



#### Four Anesthetic Gases

Sevoflurane, Isoflurane, Desflurane, and Halothane



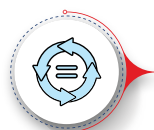
#### Durable

Built to last



#### Accurate

+/- 3% of the reading value  
 +/- 1 digit (Air base)



#### No Conversion Factors

Makes all adjustments and conversion factors automatically



#### Riken FI-8000P Gas Indicator

#### FI-8000P

The all-in-one solution for measuring anesthetic gas concentration. Portable and light weight, it is ideally suited to quickly and accurately check the calibration of anesthetic vaporizers.

The Riken's updated software is approximately 50% faster than the previous model, gives a more intuitive user experience, and features one-touch access to switch between gases. The Riken now prompts a reminder to perform the AIR CAL function, improving overall accuracy of readings.

#### Included with Purchase:

- Carry case & shoulder strap
- Owner's manual
- Riken factory calibration certificates
- Sample tube
- Sample "T"
- Filter tube
- Absorption tube
- A.M. Bickford NIST calibration certificate

#### Additional Features:

- New and updated Software
- Optical interferometric sensor
- Self-checking readout on display
- Protective outer shell
- Automatically makes all conversion factors for barometric pressure and temperature

[ambickford.com](http://ambickford.com)

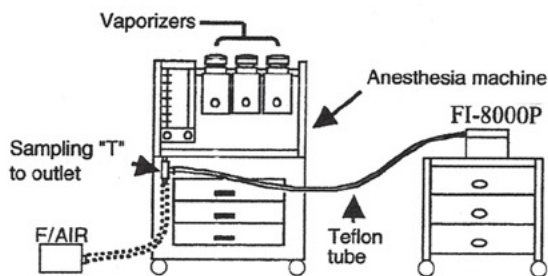
800.795.3062

[sales@ambickford.com](mailto:sales@ambickford.com)

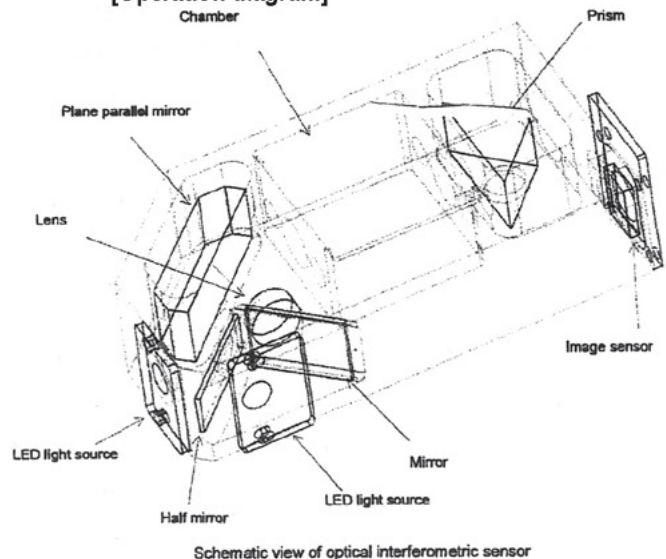
# RIKEN FI-8000 PORTABLE GAS INDICATOR SPECIFICATIONS

Measuring Gas	O <sub>2</sub> base: Halothane, Isoflurane, Sevoflurane, Desflurane Air base: Halothane, Isoflurane, Sevoflurane, Desflurane				
Measuring Ranges	The number in ( ) is the minimum digit. [Unit: vol%]				
	Measuring gas \ Base gas	Halothane	Isoflurane	Sevoflurane	Desflurane
	O <sub>2</sub> base	0~6 (0.01)	0~8 (0.01)	0~10 (0.01)	0~20 (0.02)
Air base	0~6 (0.01)	0~8 (0.01)	0~10 (0.01)	0~20 (0.02)	
Measuring Principle	Optical interferometric type				
Sampling Method	Automatic draw-in by built-in pump				
Self-Diagnosis Function	Low battery voltage, low UV intensity, low contrast, abnormal pressure, abnormal temperature				
Display	LCD digital display (7-segment numeric display + symbol + 20-segment character display x 2 lines)				
Displays	Gas concentration, gas name, measuring range, battery level				
Power Supply	Alkaline battery unit (AA alkaline dry battery x 3) (standard) or lithium ion battery unit (option)				
Indication Accuracy	Within +/- 3% of the reading value +/- 1 digit (Air base)				
Use Temperature / Humidity Range	Temperature range: -20 -50°C Humidity Range: Below 95% RH (Non-condensing)				
External Dimensions	Approx. 154 (W) x 127 (H) x 81 (D) (mm)				
Weight	Approx. 1.1 kg (alkaline battery unit included) Approx. 1.2 kg (lithium ion battery unit included)				
Continuous Operating Time	12 hours or more (alkaline battery unit) 18 hours or more (lithium ion battery unit) (without lighting at 25°C)		16 hours or more (alkaline battery unit) 24 hours or more (lithium ion battery unit) (without lighting at 25°C)		
External Output	IrDA (for data logger)				
Functions	Data logger, pressure correction, temperature correction				

### [Composition]



### [Operation diagram]



**RIKEN KEIKI Co., Ltd.**  
2-7-6, Azusawa, Itabashi-ku  
Tokyo 174-8744, Japan

Represented in American countries by:



12318 Big Tree Road | Wales Center, NY 14169 | 800.795.3062 | [ambickford.com](http://ambickford.com) | [sales@ambickford.com](mailto:sales@ambickford.com)