

Fruit and Vegetable Respirator



Introduction:

Fruit and vegetable respirator is specially used to test and research fruit and vegetables under the conditions of normal temperature, cold storage, supermarket freezers and so on. It can choose different respiratory chambers according to the size of fruit and vegetables which can speed up the balance and measuring time. It has the characteristics of multifunction, high precision, fast, efficiency and convenience.

Features:

- \* High precision, accurate measurement.
- \* Uniform temperature control.
- \* Temperature and humidity display and directly getting concentration values.
- \* Can measure constantly.

Technical Parameters:

Model		BK-FVR3051
CO <sub>2</sub>	Min Measuring Range	0~1000ppm
	Linearity	≤±2%F·S
	Repeatability	≤±1%
	Response Time	≤15s
	Zero Shift	≤±2%F·S/24h
	Destination Shift	≤±2%F·S/24h
O <sub>2</sub>	Measuring Range	0~25%
	Linearity	≤±2%F·S
	Repeatability	≤±1%
	Response Time	30s
	Zero Shift	≤±2%F·S/24h
	Destination Shift	≤±2%F·S/24h
Temp	Measuring Range	0~50°C
	Resolution	0.1°C
	Accuracy	±0.2°C
Humidity	Measuring Range	0~100%
	Resolution	0.1%
	Accuracy	±0.2%F·S
Pre-Heating Time		2 hours
Power Supply		110~240V, 50/60Hz
Respiratory Chamber		Standard:Φ120*170mm, Φ60*90mm, Φ40*80mm
External Size		320*483*133mm
Package Size		505*190*340mm
Net/Gross Weight		9/11kg



Introduction:

Fruit and Vegetable Respirometer measures respiratory intensity of fruits and vegetables under storage conditions (ambient, cold storage, controlled atmosphere, etc.). It offers selectable respiration chamber volumes (sizing to samples) for faster equilibration, and simultaneous display of CO<sub>2</sub>/O<sub>2</sub> concentrations, temperature, and humidity. High-precision, efficient, and user-friendly, it suits food, horticulture, trade, and research institutions.

Features:

- \* 3.5" TFT true-color LCD: intuitive operation, clear display.
- \* 2G memory: large data storage, easy export.
- \* Automated result calculation; USB data export (no extra software needed).
- \* USB connectivity to PC for data/results export (Excel format), with chart/curve generation.
- \* Micro gas flow meter with adjustable flow rates.

Technical Parameters:

Model		BK-FVR3080A
CO <sub>2</sub>	Detection Principle	Infrared
	Measuring Range	0~5000ppm
	Resolution	1ppm
	Linearity	≤±1%F·S
	Repeatability	≤±1%
	Response Time	≤15s
	Zero Shift	≤±2%F·S/24h
	Destination Shift	≤±2%F·S/24h
O <sub>2</sub>	Detection Principle	Electrochemical
	Measuring Range	0~95%
	Resolution	0.01%
	Linearity	≤±2%F·S
	Repeatability	≤±1%
	Response Time	30s
	Zero Shift	≤±2%F·S/24h
	Destination Shift	≤±2%F·S/24h
Temp	Measuring Range	-20~95°C
	Resolution	0.1°C
	Accuracy	±0.2°C
Humidity	Measuring Range	0~85%
	Resolution	0.1%
	Accuracy	±0.2%F·S
Pre-Heating Time		15min
Power Supply		AC220V,50/60Hz(Standard); AC110V,60Hz(Optional,external transformer)
Respiratory Chamber		Standard:Φ120*180mm(2L),Φ60*89mm(0.25L),Φ40*80mm(0.1L)
External Size(W*D*H)		260*260*130mm
Package Size(W*D*H)		550*400*250mm
Net Weight		3.25kg
Gross Weight		10kg