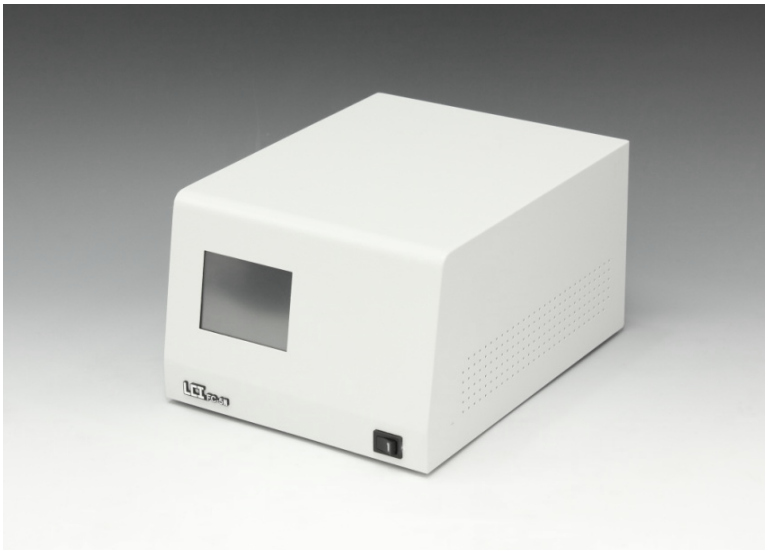
FC-5N

Automatic CO_2/ Air Mixer



- Automatic CO_2 gas mixing and supply system (Maximum flow rate is 200 ml/min)
- PID control system for precise control of the CO_2 concentration
- Produces CO_2 / air mixed gas from 100% CO_2 gas cylinder and ambient air
- Solenoid valve and a reservoir for gas ripening
- Internal air pump to provide a large flow
- Able to regulate the concentration, to program the concentration gradients and to record CO_2 concentration over time with CCP ver.7 software or MetaMorph software
- 3 kinds of the automatic CO_2/ air gas mixer depending on the flow rate

2.5 L/min CO_2 / air mixer

30 L/min CO_2 / air mixer

Specifications

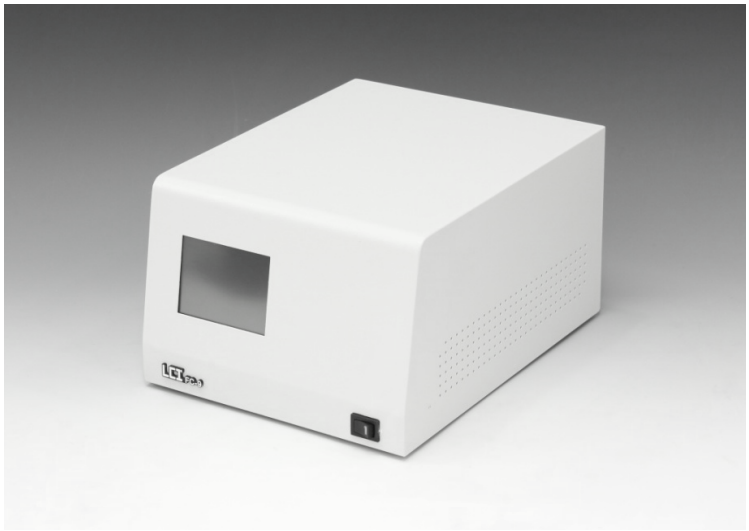
Sensor	NDIR CO_2 sensor
Control range	1 – 20 % CO_2
Flow rate	Max. 200ml/min, 2.5 L/min, 30 L/min
CO_2 control method	PID, solenoid valve

FC-5N Gas Pressure Setting	Gas Pressure for Regulator
CO_2	0.5 kg/cm^2 (50 cc/min)
	0.8 kg/cm^2 (100 cc/min)
	1.1 kg/cm^2 (150 cc/min)
	1.4 kg/cm^2 (200 cc/min)

Model No.	Product
FC-N-10	FC-5N (meter (Automatic CO_2/Air mixer), Max 200 ml/min
FC-HF-30	High flow rate automatic CO_2/Air mixer, Max 2.5 L/min
FC-HF-300	Very high flow rate automatic CO_2/Air mixer, Max 30 L/min

FC-9N

Automatic O_2/ CO_2/ N_2 Mixer



- Automatic O_2 / CO_2 / N_2 gas mixing and supply system.
- PID control system for the precise control of the O_2 and CO_2 concentrations.
- Produces mixed gas from 100% CO_2, 100% O_2 and 100% N_2 gas cylinders
- Produces very low to high concentrations of O_2 mixed gas
- Internal air pump to make CO_2 /air mixed gas

- Usable 100% O_2 cylinder to control full range of the O_2 levels from 0% to 100% O_2
- Dynamic orifice control valve
- Digital flow meter
- A reservoir for gas ripening
- Able to regulate the concentration, to program concentration gradients and to record the gas concentrations over time with CCP ver.7 software or MetaMorph software
- FC-9 are customizable and able to adjust the high-flow rate of the mixed gas.

Specifications

Sensor	O_2	Thermal conductive flow sensor
	N_2	Thermal conductive flow sensor
	CO_2	NDIR CO_2 sensor
Control range	O_2	1 ~20 %
	CO_2	1 ~ 20 %
	Flow rate	Max. 200 ml/min
Control method	O_2	PID, dynamic orifice control valve
	CO_2	PID, solenoid valve
	N_2	PID, dynamic orifice control valve

Gas Pressure Setting	Gas Pressure for Regulator
N_2	1.5 kg/cm^2
O_2	1.5 kg/cm^2
CO_2	0.3 kg/cm^2 (50 cc/min)
	0.6 kg/cm^2 (100 cc/min)
	0.9 kg/cm^2 (150 cc/min)
	1.2 kg/cm^2 (200 cc/min)

Model No.	Product
FC-R-50	FC-9N (Automatic O_2/CO_2/N_2 mixer)