

Automatic CO2 Brix Monitor CooRe 3L


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 Quantity
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CooRe is the world's first all in one dissolved carbon dioxide monitor that features three functions of piercing a hole in the container (piercing), measuring dissolved carbon dioxide and concentration in a single measuring device.

Specifications	
Model	CooRe 3L
Cat.No.	9334
Measurement item	CO ₂ Concentration (Automatic temperature correction) Brix (Automatic temperature correction) Pressure Temperature
Method of measurement	CO ₂ Concentration: Sample agitation measurement method Brix: Refractive index method
Measurement Range	Brix : 0.00 to 20.00 % CO ₂ Concentration : 0.000 to 12.000 vol. : 0.000 to 24.000 ×10 ⁻⁶ kg/cm ³ : 0.000 to 24.000 g/L Pressure : 0.00 to 10.00 bar : 10 to 10000 mbar : 0.000 to 145.000 psi : 0.000 to 1.000 MPa : 0 to 1000 kPa Temperature : 0.0 to 30.0 °C : 32.0 to 86.0 °F : 273 to 303 K
Resolution	Brix : 0.01 % CO ₂ Concentration : 0.001 vol. : 0.001 ×10 ⁻⁶ kg/cm ³ : 0.001 g/L Pressure : 0.01 bar : 10 mbar : 0.001 psi : 0.001 MPa : 1 kPa Temperature : 0.1 °C : 0.1 °F : 1 K
Measurement Accuracy	Brix (Absolute value) : ±0.05 % Pressure: ±1.0 % (at F.S. 20°C) Temperature: ±1 °C
Repeatability	Brix (Absolute value) : ±0.02 % Pressure: ±0.3 % (at F.S. 20°C)
Temperature compensation range	Brix : 5.0 to 30.0°C CO ₂ : 0 to 25°C
Sample temperature	0 to 30°C (Guaranteed accuracy range: 5.0 to 25.0 °C)
Pressure Sensor	Diaphragm pump, pressure gauge pressure meter

Refractometer Light Source	LED (D-line approximation)
Stirring method	Magnet stirrer
Temperature sensor	Platinum thin-film temperature sensor (Refractometer/pressure sensor one each)
Sample Volume	100mL (Pressure chamber volume: 20mL)
Measurement Time	About 60 seconds
Power Supply	AC100 to 240V
International Protection Class	IP65 *Applicable only if the USB terminal cover is on and power terminal cover is on (or AC power is connected).
Dimensions & Weight	Approx. 405(W)×215(D)×515(H)mm 26lbs/12kg(Power cable included.)
Power consumption	50VA
Output terminals	USB memory
Environment temperature / Humidity	Temp: 0 to 40°C Humidity: 30 to 80%

Options

- Lithium-ion Battery : RE-74840
- Pulp Filter Unit : RE-79424
- Filter cartridges(Pulp Filter Unit) : RE-79425

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Specifications

Model	CooRe
Cat.No.	9332
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