

CO₂ Monitor

Marvel
001/003
301

Compliant with Ministry of Economy, Trade and Industry
"Guidelines for Selection of Carbon Dioxide Concentration Measuring Instruments"



Marvel

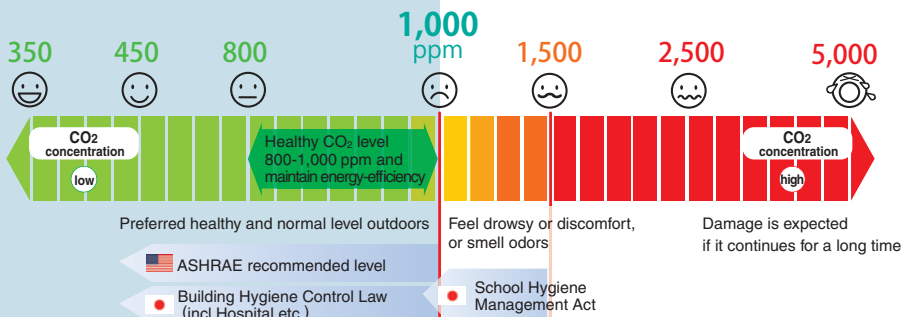


Use of High-Precision optical NDIR dual beam Sensor

Correction function embedded for measured CO₂ concentration

Marvel 001 / 003

"Clean air quality" when monitor shows CO₂ concentration of 1,000 ppm or less



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*Please feel free to contact us with any questions before purchasing.
*Reception hours are from 9:00 a.m. to 5:00 p.m. JST(excluding weekends and holidays)

Marvel C.H.C. SYSTEM CO., LTD. ®

Planning, Designing, and sales: C.H.C. SYSTEM TOKYO, JAPAN



Product HP

C.H.C. SYSTEM plans, develops, and provides Japan's first full-scale carbon dioxide measuring instrument.

Marvel 001

Discretionary price



Measurement method	Optical NDIR (non-dispersive infrared absorption method) dual beam sensor
Display	CO ₂ concentration ppm, temperature °C, humidity %
Installation method	Desktop (use by rear stand) or wall mounted
Display panel	Large screen semi-wide approximately 3.9 inches (85 x 50 mm)
Power supply	DC5V USB cable specification ⇒ Mini USB side connection AC adapter included *Not rechargeable or battery-powered
Usage conditions	Temperature: 0-50°C; Humidity: 95% RH or less
Measurement range	0-5,000 ppm
Measurement accuracy	±5% or ±80 ppm (0-2,000 ppm)
LED display	Green: <800 ppm • Yellow: 800-1,000 ppm • Red: >1,000 ppm
Alarm	activated if it reaches 1,000 ppm or more; Stops at less than 1,000 ppm. With mute function
Dimensions	Width 137mm x Height 99mm x Thickness 28mm (Weight 195g)



Marvel 003 (Built-in data logger)

Discretionary price

In addition to the above standard specifications, this model has a built-in data logger that enables the recording and then for analysis of measured CO₂ concentration, temperature, and humidity data. (Dedicated software for time setting and data editing can be downloaded from HP. Compatible OS windows only)

Marvel 301

Discretionary price



Measurement method	Optical NDIR (non-dispersive infrared absorption method) dual beam sensor
Display	CO ₂ concentration ppm, temperature °C, humidity %
Installation method	Wall installation (with back hook)
Display panel	High brightness LED display, approx. 22 inches (490 x 285mm)
Power supply	AC adapter included
Measurement range	0-3,000 ppm
Measurement accuracy	Within ±5% or ±70 ppm (0-2,000 ppm)
LED display	Green: ≤800 ppm • Yellow: 801-1,200 ppm • Red: >1,200 ppm
Dimensions	Width 560mm x Height 410mm x Thickness 50mm (Weight 5kg) No relay/No connector to PC



The highly visible LED indicator displays the CO₂ concentration in 9 levels.