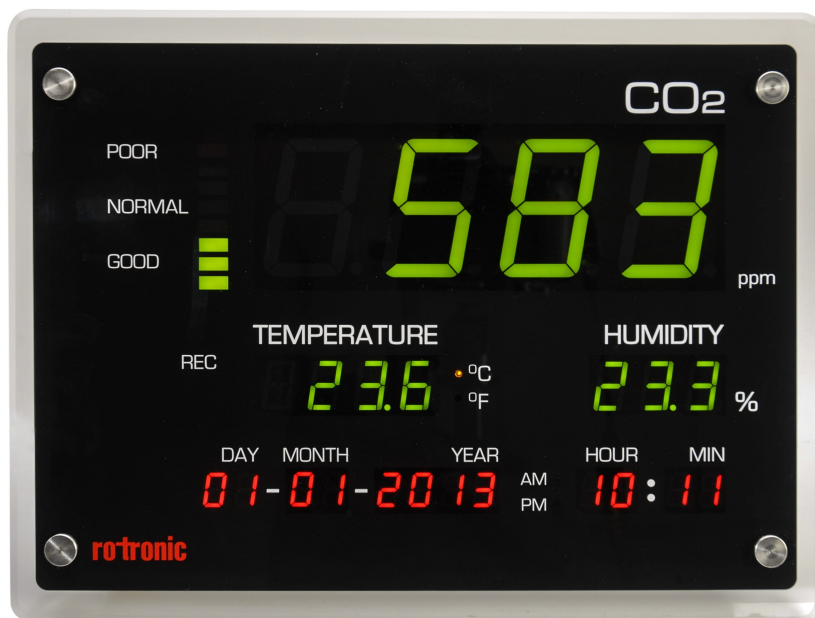




# Rotronic CO2 Display with Temperature and Humidity

## Product Images



## Short Description

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The wall-mounted or bench-top CO2 display is the latest development of an inexpensive display unit that simultaneously measures and records CO2, humidity and temperature. Equipped with the field-tested

ROTRONIC HYGROMER® IN-1 humidity sensor, this instrument offers unbeatable value for money. The instrument can be configured directly with buttons and stored data can be exported to a USB stick for analysis with the free ROTRONIC software package SW21.

For monitoring indoor air quality in : Offices, Meeting Rooms, Classrooms, Shopping Centres, Fitness Studios etc.

## Key Features

- Measures and records CO<sub>2</sub>, relative humidity and temperature
- Accuracy  $\pm 2.5$  %RH /  $\pm 0.3$  K /  $\pm 30$  ppm + 5% of measured value
- ROTRONIC HYGROMER® IN-1 humidity sensor
- 18,000 data point memory for CO<sub>2</sub>, humidity and temperature values
- Display of date and time
- Adjustable, visual CO<sub>2</sub> indicator
- Large, easy-to-read display
- USB access for data download.

## Additional Information

Explanation	Dimensions	330 x 250 x 50 mm
	Weight	1400 g
	Range of application	0 - 50 °C / 0 - 95 %RH, non-condensing
	Accuracy at 23 ±5 °C	±30 ppm ±5 % of the measured value, <2.5 %RH (10...90 %RH), ±0.3 °K
	Measuring range	0 - 5000 ppm / 0 - 100 %RH / -20 - 60 °C
	Measurement principle	Infrared (NDIR) with automatic calibration (ABC)
	Adjustment points	0, 400 ppm and 35, 80 %RH
	Pressure dependency	+1.6 % reading per kPa
	Null drift	<10 ppm/year
	Power supply / Power consumption	AC adapter 12 VDC
	Current consumption	700 mA (max)
	Warm-up time	<1 min.
	Long-term stability sensor	< 1.5 %RH per year
	Humidity sensor	ROTRONIC HYGROMER® IN-1
	Temperature sensor	NTC
	Response time	CO2 : <3 min. diffusion time / T°: 4s
	Response time t 63	<30 s, without filter
	Parameters shown	CO2, relative humidity and temperature
	Alarm indicators	Adjustable for CO2 measurement
	Clock	Real time clock
Memory size	18,000 values with time stamp, automatic recording (%RH / °C / ppm)	
Housing	ABS	
CE / EMC conform	2004/108/EC	
Maintenance	No maintenance (standard indoor application)	
Ideal For	Professional	
Brand	Rotronic	
Typical applications	Building Monitoring, Building Performance, Environmental (Indoor), Thermal Comfort	
Measurements	Air Quality, CO2, Humidity, Temperature	