

ACR-205

Product Specifications

Type: Five-Channel Temperature, RH, CO2 and other gases

GENERAL SPECIFICATIONS

Size:	214 mm x 152 mm x 55 mm (8.44" x 6.0" x 2.18")
Weight:	1.32 kg (2.91 lb)
Case Material:	Powder painted aluminum
Battery (in logger):	3.6 volt Lithium
Battery (in monitor):	Integral sealed lead acid battery
Resolution:	12-bit (1 part in 4096)
Mounting:	Desk or wall mount
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	Continuous (First-in First-out), Stop When Full
Operating Limits:	0 to 50°C (32 to 122°F) and 0 to 100% relative humidity (non-condensing)
PC Requirements:	IBM PC or 100% compatible with at least one free serial port, 2MB of RAM memory, and 2 MB of hard disk space
Software Requirements:	TrendReader® Standard 2 (compatible with Windows® 2000 and XP)

Memory	128KB (capable of storing up to 87,000 readings)
Size:Sampling Rates:	User selectable rates from 8 seconds to 8 hours
Number of Channels:	Five channels:
ACR-205:	Temperature, RH, CO2, and 2 spare channels for other gases
ACR-205-4:	Temperature, RH, CO2, CO, and 1 spare channel for another gas
ACR-205-5:	Temperature, RH, CO2, CO and NO2

SENSOR SPECIFICATIONS

Internal Temperature Sensor:	NTC Thermistor 0 to 50°C (32 to 122°F) +/- 0.5°C
Range:	0 to 100%
Accuracy: Internal RH	Thin film capacitive
Sensor:	0 to 100%
Range:	+/- 2% RH
Accuracy: CO2 Sensor:	NDIR
Range:	0 to 5,000 ppm (standard)
Accuracy: CO Sensor:	+/- 20 ppm (typical)
Range:	Electrochemical
Accuracy:	0 to 50 ppm < 2% per month in clean air
NO2 Sensor:	Electrochemical
Range:	0 to 5 ppm < 3% @ 3 months
Accuracy:	

For other gas sensors, see ACR-205 Sensor specs

With a built-in display and data logger, the ACR-205 provides the user with a reliable and accurate method of evaluating indoor air quality by measuring and recording temperature, relative humidity, carbon dioxide, and one or two other gases at the same time. These other gases can include: carbon monoxide (CO), nitrogen dioxide (NO2), oxygen (O2), ammonia (NH3), chlorine (Cl2), chlorine dioxide (ClO2), fluorine (F2), hydrogen (H), hydrogen chloride (HCl), hydrogen cyanide (HCN), hydrogen sulphide (H2S), nitric oxide (NO), ozone (O3), or sulphur dioxide (SO2).



WARRANTY

Monitor: 2 Years

APPLICATIONS

Monitoring environmental air quality - in schools, government buildings, and new buildings, etc.

Model#:	Cat#:
ACR-205	01-0337
ACR-205-4	01-0332
ACR-205-5	01-0333

Accessories:

Carrying case and interface cable (included)