

IAQ Logger

Product Specifications

Type: Five-Channel Temperature, RH, and CO₂

GENERAL SPECIFICATIONS

Size:	107 mm x 74 mm x 22 mm (4.2" x 2.9" x 0.9")
Weight:	110 grams (3.75 ounces)
Case Material:	Noryl® plastic
Battery:	3.6 volt Lithium, guaranteed for ten years
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or lock eyelet
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	Continuous (First-in, First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40 to 70°C (-40 to 158°F) and 0 to 95% relative humidity (non-condensing)
PC Requirements:	IBM PC or 100% compatible with at least one free serial port, 2 MB of RAM memory, and 2 MB of hard disk space
Software Requirements:	TrendReader® Standard (compatible with Windows® 3.1, 95, 98, Me, NT, 2000, and XP)

Memory Size:	32KB (capable of storing 32,767 readings)
Sampling Rates:	User selectable rates from 8 seconds to 5 days in 4-second increments
Number of Channels:	Five (one for the internal temperature sensor, one for the CO ₂ sensor, one for the external RH sensor, and the remaining two for optional remote EH-020A probe [temperature and RH])

SENSOR SPECIFICATIONS

Temperature Sensor:	NTC Thermistor
Range:	-40 to 70°C (-40 to 158°F)
Accuracy:	+/- 0.2°C from 0 to 70°C; +/- 0.5°C from -40 to 0°C (+/-0.36°F from 32 to 158°F; +/-0.9°F from -40 to 32°F)
Resolution:	0.4°C (0.7°F) @ 25°C; better than 1°C (1.8°F) between -25 and 70°C (-13°F and 158°F); better than 2.0°C (3.6°F) between -40 and -25°C (-40°F and -13°F)
RH Sensor:	Capacitive thin polymer film
Range:	0 to 95% RH
Accuracy:	+/- 4% RH from 10 to 90% (-20 to 40°C [-4 to 104°F])
Resolution:	Better than 0.4% between 25 and 60% RH at 25°C (77°F)
CO₂ Sensor (in Telaire):	
Range:	0 to 4,000 ppm voltage output 0 to 10,000 ppm display
Sensitivity:	+/- 1 ppm
Accuracy:	+/- 50 ppm or +/- 5% of reading (whichever is greater)
Repeatability:	+/- 20 ppm

The IAQ Logger, when combined with the Telaire 7001 Handheld CO₂ Monitor, records the three leading indicators of indoor air quality: (1) temperature, (2) relative humidity, and (3) carbon dioxide.



WARRANTY

Internal Battery:	10 Years
Data Logger:	3 Years

APPLICATIONS

Helps resolve sick building syndrome, building-related illnesses, and indoor air contaminants; tracks indoor air quality; HVAC system testing and balancing, etc.

Model#:	Cat#:
SR-IAQ (logger only)	01-0340
Telaire (CO ₂ monitor)	35-0034
IAQ-100 System	01-0338

AGENTS TRANSECON (AXIO)

Unit 1, 13/F., Sing Win Factory Building
15-17 Shing Yip Street, Kwun Tong
Kowloon, Hong Kong
Tel : (852) 2892-1992 Fax : (852) 2836-0448
E-mail : kmccatal@hkabc.net
Web site : <http://www.axiom.com.hk>