IAQ Logger

Product Specifications

Type: *Five-Channel Temperature, RH, and CO_2*

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 2 *(compatible with Windows® 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:	0.4ºC (0.7ºF) @ 25ºC; better than 1ºC (1.8ºF) between -25 and 70˚C (-13º and 158ºF); better than 2.0ºC (3.6˚F) between -40 and -25˚C (-40ºF and -13ºF)
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)
CO_2 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-101 System	01-0338
IAQ-102 System	01-0328