Indoor Environmental Quality Monitor
IEQ Chek™

IEQ Chek™
Features & Benefits:

- Versatile handheld instrument with flexible 7-sensor capacity

- Ideal for indoor environmental quality measurements

- On-board sensors for temperature and relative humidity; add up to 5 additional plug-and-play 'smart' sensors

- Large multi-line LCD graphic display

- Stores over one million data points with SD flash card

- Optional data download kit with USB connection to PC and IQ Chek™ software

Multi-Sensor Flexibility

Bacharach's IEQ Chek™ is a versatile multi-sensor instrument for measuring, monitoring and recording indoor environments for air quality diagnosis. With its 7-sensor capacity, the new IEQ Chek™ measures temperature, relative humidity, and up to 5 additional plug-and-play 'smart' sensors, including carbon dioxide (CO_2), carbon monoxide (CO), oxygen (O_2), formaldehyde (HCHO), total volatile organic compounds (TVOCs), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), ammonia (NH_3), hydrogen sulfide (H_2S) and combustible gases. Available with or without an on-board pump for sampling the air, the IEQ Chek™ has a large multi-line backlit LCD display with simultaneous viewing of all installed sensors, battery life, pump indicator and calibration status. Sophisticated, yet simple to use, the instrument has the capability to record and store over one million data points on a SD flash card with the option to download the data via USB connection to a PC using Bacharach's IQ™ Chek software.

Bacharach's IEQ Chek™ line offers maximum features, flexibility and functionality for indoor environmental quality monitoring, HVAC measurements, ASHRAE/ANSI compliance, process operations in non-hazardous environments and medical/lab applications. The IEQ Chek™ is an ideal tool for identifying energy saving opportunities in over-ventilated spaces, determining if carbon dioxide (CO_2) build-up is due to insufficient ventilation, pinpointing the presence of carbon monoxide generated from vehicles or appliances, and measuring other air contaminants such as formaldehyde or volatile organic compounds found in paints, chemicals or cleaning products.

IEQ Chek™ Specifications

Gases Detected:	Carbon Dioxide (CO_2), Carbon Monoxide (CO), Oxygen (O_2), Formaldehyde (HCHO), Total Volatile Organic Compounds (TVOCs), Nitrogen Dioxide (NO_2), Nitric Oxide (NO), Sulfur Dioxide (SO_2), Ammonia (NH_3), Hydrogen Sulfide (H_2S) and Combustible Gases
Detection Principle:	Non-Dispersive Infrared (NDIR), Electrochemical, Photoionization Detector (PID)

	CO_2	CO_2	CO_2	CO_2	CO_2	O_2
Range:	0-5,000 ppm	0-10,000 ppm	0-5% vol	0-20% vol	0-100% vol	0-25% vol
Resolution:	1 ppm	1 ppm	0.01%	0.01%	1%	0.1%
Accuracy:	±2% over range @ 68° F (20° C) / 1 bar pressure					±0.1% vol over range

Other Measurements:	
Temperature	23° F to 131° F (-5° C to 55° C) / 0.1° Resolution
Relative Humidity	0-99.9% Non-Condensing / 0.1% Resolution
Dimensions:	7.75" L x 3.87" W x 3.06" D (19.7 cm x 9.8 cm x 7.8 cm)
Weight:	20 oz (567 g) including batteries
Housing:	Rugged ABS/Polycarbonate
Display:	Large, Multi-line Backlit LCD Digital Display. Simultaneously Displays all Installed Sensors, Battery Life, Pump Indicator and Calibration Progress Bar
Alarm:	80 dB Audible Alarm for One User-Selected Setpoint
Operating Temperature Range:	41° F to 122° F (5° C to 50° C)
Operating Humidity Range:	0 - 99% RH Non-Condensing
Data Storage:	> 1 Million Data Points - Stored to SD Flash Card
Data Download:	Optional USB Connection to PC w/ IQ Chek™ Software
Power:	3 AA NiMH Rechargeable Batteries; (3 AA Alkaline Batteries can be User Installed); 6 VDC Power Adapter (N.Am. Plug or Intl. Pigtail w/IE320-C13 Socket)
Run Time:	12 to 14 Hours (Varies with Sensor Installation)
Approvals:	CE Mark: IS EN61010-1:2001; EM/RFI EN 50270:2006
Warranty:	Instrument - Two Years; CO_2 Sensor - 1 Year
Kit Contents:	Instrument comes with 3 AA NiMH rechargeable batteries, charger/adapter, calibration adapter (pump versions only) and user manual

IEQ Chek™ Part Number Configurator 15AB-CDEF

		Choose 1	Choose 1	Choose 1	Choose 1	Choose 1	Choose 1
1	5	A	B	C	D	E	F
		0 = No sensor	0 = No sensor	0 = No sensor	0 = No sensor	0 = No sensor	0 = Do not use
		1 = CO_2 (0-5,000 ppm)	1 = IR Combustible (0-5%)	1 = CO	1 = CO	1 = CO	1 = Diffusion, no DataLogging
		2 = CO_2 (0-10,000 ppm)	2 = TVOC (0-300 ppm)	2 = O_2	2 = O_2	2 = O_2	2 = Pump, no DataLogging
		3 = CO_2 (0-5% vol)	3 = TVOC (0-50 ppm)	3 = NH_3	3 = NO_2	3 = SO_2	3 = Diffusion w/ DataLogging
		4 = CO_2 (0-20%)		4 = NO	4 = HCHO	4 = H_2S	4 = Pump w/ DataLogging
		5 = CO_2 (0-100% vol)					5 = Diffusion, no DL, ext. battery
							6 = Pump, no DL, ext. battery
							7 = Diffusion w/ DL, ext. battery
							8 = Pump w/ DL, extended battery

IEQ Chek™ Common Configurations

*All configurations include Temp and RH

1510-0002	CO_2 (0-5,000 ppm), Pump
1510-0004	CO_2 (0-5,000 ppm), Pump, DataLogging
1510-1001	CO_2 (0-5,000 ppm), CO, Diffusion
1510-1002	CO_2 (0-5,000 ppm), CO, Pump
1510-1003	CO_2 (0-5,000 ppm), CO, Diffusion, DataLogging
1510-1004	CO_2 (0-5,000 ppm), CO, Pump, DataLogging
1510-1302	CO_2 (0-5,000 ppm), CO, NO_2, Pump
1510-1304	CO_2 (0-5,000 ppm), CO, NO_2, Pump, DataLogging
1510-1403	CO_2 (0-5,000 ppm), CO, HCHO, Diffusion, DataLogging
1512-1008	CO_2 (0-5,000 ppm), TVOC (0-300ppm), CO, Pump, Ext. Battery, DataLogging
1520-0002	CO_2 (0-10,000 ppm), Pump
1520-0003	CO_2 (0-10,000 ppm), Diffusion, DataLogging
1530-0001	CO_2 (0-5%), Diffusion
1540-0002	CO_2 (0-20%), Pump

IEQ Chek™ Accessories & Replacement Parts

1509-0001	IQ Chek™ DataLogging Option (Includes 2GB flash card, cable, software & SD card reader)
1509-0002	Rugged Transport Case for IEQ Chek™
1509-0003	10" probe w/30" of sample hose for IEQ Chek™
1509-0005	IEQ Chek™ Externally-mounted, NiMH Battery Pack (required when CO_2 / TVOC sensors are installed in the same instrument)
1509-0008	IEQ Chek™ Replacement NiMH Batteries (pkg. of 3)

Distributed By:

GasDetectorsUSA.com
Houston, TX USA
832-615-3588
sales@GasDetectorsUSA.com

BACHARACH®
The Measurable Difference

BACHARACH IS A U.S. BASED MANUFACTURER

ISO 9001:2008