

The Measurable Difference

Why It Matters

November 11, 2015



For over 100 years, Bacharach has been designing innovative technology that leads the way in combustion analysis. From handheld portability to ease of use and maintenance, Bacharach's family of analyzers deliver high quality at low cost- exactly as they are designed to do.



PROUDLY MADE IN THE USA

Designed and Manufactured by
Uniquely Skilled American Workers

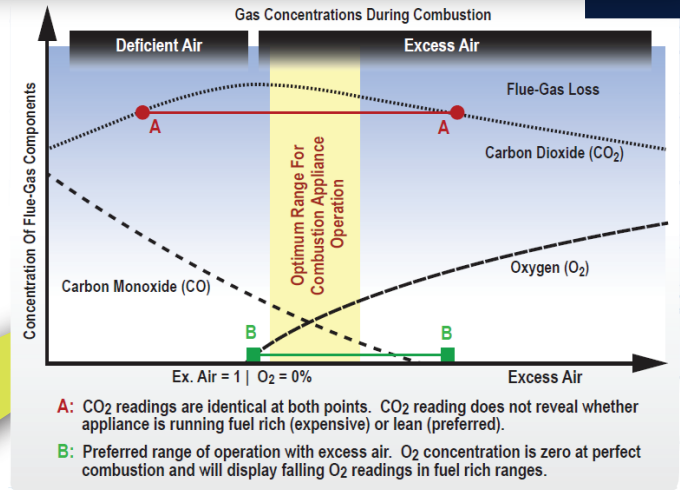


CO₂ VS. O₂

TAKE THE RIGHT MEASUREMENTS

Sensors Matter! Measure O₂ Directly For The Most Accurate And Efficient Combustion Readings

All Bacharach analyzers measure oxygen directly. While others measure CO₂ and calculate the O₂ for better sensor life, this method has a fundamental flaw. Oxygen goes to zero when combustion is perfect or when the process is using excess fuel. CO₂ readings can be the same on both the excess fuel and excess air sides of the combustion process. It is only possible to determine what the CO₂ measurement is telling you by making extra adjustments to the appliance and analyzer, which cost the technician more time and money. While oxygen sensors have a shorter life than CO₂ sensors, the accuracy and time savings is well worth it in the long run.



B-SMART® SENSORS

User-Replaceable Sensors And Advanced Diagnostics Make Maintenance Simple



Sensors are an essential part of combustion analysis, and are subject to wear. Advances in technology enable longer sensor life and reliability, but they still require periodic calibration and replacement. The CO sensor should be calibrated on a known gas concentration (or exchanged) at least yearly or as required by code. Bacharach analyzers are designed with user-replaceable B-Smart® sensors to minimize the instrument downtime and factory service costs due to depleted sensors. Bacharach's B-Smart® Sensor Exchange program conveniently delivers pre-calibrated sensors directly to you on your pre-determined schedule - no need to remember calibration dates or buy calibration gas. Learn more at: MyBacharach.com/b-smart

BACHARACH REPORTING APP

Quickly Create Customized Reports Using Your Smartphone Or Tablet



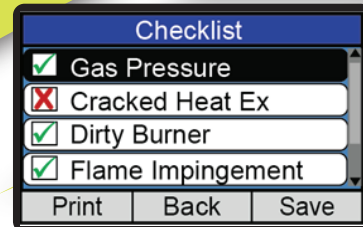
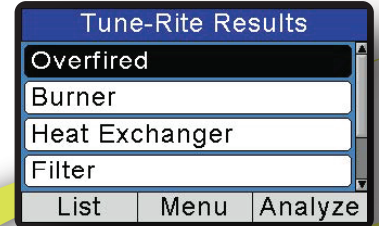
The Bacharach Reporting App is a user-friendly, feature-rich method for getting your combustion data into the "real world." Simply transfer the data from a combustion analyzer to your mobile device via the custom-generated QR code, then view, save and email the data - all at the touch of a button. Up to 100 records can be saved to your mobile device. Any of these records can be used to generate a custom as-found / as-left report, which can include technician/company information, company logo and customer information.

INDUSTRY-EXCLUSIVE TUNE-RITE™

HVAC Assistant Makes Combustion
Analysis Even Easier

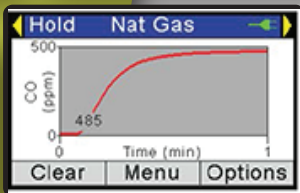
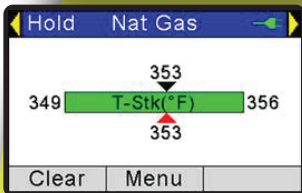
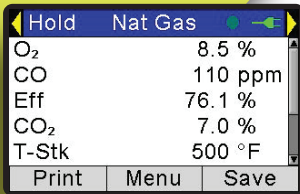
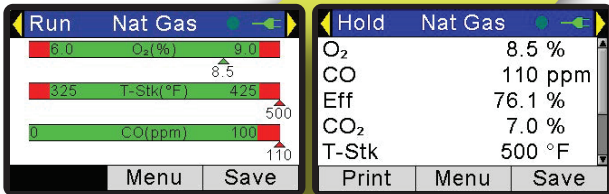
POWERED BY
Tune-Rite™
SOFTWARE

Bacharach's Tune-Rite™ is an exclusive on-demand "assistant" that can help contractors generate more business by making more thorough and efficient service calls. Tune-Rite™ watches the combustion process along with you - in real time - to help you determine if the system you're evaluating is operating within acceptable parameters. If it is, Tune-Rite™ will confirm. If the system is not performing in an acceptable range, Tune-Rite™ will make helpful troubleshooting recommendations so you can adjust the system as needed. Learn more at: MyBacharach.com/tunerite



THE DATA YOU NEED TO SEE

Displaying Key Measurements Together
Makes The Difference



The user's ability to select the most important measurement readings they need to see at one time - in graphic or numeric format - is a critical feature built into Bacharach combustion analyzers. Bright displays with backlighting make results easy to see in any environment. Trending graphs, hotspot indicators and safe-range parameters show real-time readings during your analysis.

EASY MAINTENANCE

For Long-life Performance
And Lowest Cost Of Ownership

Sensors, batteries, probes and other consumable parts need to be replaced in any gas analyzer. Sealed units require regular factory service for maintenance and calibration, greatly increasing the cost of ownership in a very short time. Also, service time can be lost waiting for batteries to recharge. Bacharach instruments are designed to make periodic maintenance easy and affordable with self-diagnostics and easy access to user-replaceable sensors.



ENGINEERED TO BE EASY

Simple to use and packed with innovative features, Bacharach's INSIGHT® PLUS, InTech™ and PCA®3 combustion analyzers provide the durability, accuracy and American-made reliability to meet any technician's analysis needs and budget.



Feature	PCA® 3	INSIGHT® Plus	InTech™	
Unique Features	Includes exclusive Tune-Rite™ on demand assistant		✓	
	Compatible with Bacharach reporting app		✓	
	User-replaceable, pre-calibrated B-Smart® sensors	✓	✓	✓
	Graphic display with backlighting / zoom	color	color	monochrome
	Dynamic info-graphic visuals		✓	
	Optional wireless printer available	✓	✓	✓
Data / Durability Features	Detachable probe	✓	✓	✓
	Internal storage capacity (# of complete tests)	1000 ⁽¹⁾	100	10
	User ID and custom logo on printout	✓	✓	✓
	Download stored data to PC	✓	✓	
	Assign location/test ID with test result data	✓	✓	
	Pre-programmed fuels (10 for all Siegert versions)	10	9	6
Sensor / Measurement Capabilities	Protective magnetic rubber boot	✓	✓	optional
	Hose connections	metal	metal	plastic
	Draft / pressure measurement	✓	✓	
	CO sensor range (ppm)	0-4,000 0-20,000 optional	0-4,000	0-2,000
	CO sensor with integral NO _x filter	✓	✓	
	CO sensor - H ₂ compensated	✓		
Sensor / Measurement Capabilities	O ₂ sensor life	2 year	2 year 3 year optional	2 year
	NO, NO ₂ and/or SO ₂ sensors available	✓		
	T-air port for remote ambient temperature	✓	✓	

(1) Available as 500 each for manually-saved and datalogged records

www.MyBacharach.com

CORPORATE HEADQUARTERS
621 Hunt Valley Circle Help@MyBacharach.com
New Kensington, PA P +724-334-5000
15068 USA F +724-334-5001

CANADA
20 Amber St Unit #7 E Support@BachCan.ca
Markham, Ontario P +905-470-8985
L3R 5P4 F +905-470-8963

IRELAND | EUROPE
114a Georges St Lower E Ask@Murco.ie
Dun Laoghaire, P +353 1 284 6388
Co. Dublin, Ireland F +353 1 284 6389

BACHARACH

The Measurable Difference

SERVING THE INDUSTRY SINCE 1909

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