



MAX-StarBoost™ Technology

FTIR Reinvented

MAX StarBoost™ is a breakthrough commercial FTIR gas analyzer enhancement technology that dramatically increases sensitivity, linearity and dynamic range over narrow spectral bands of interest. Proven in demanding applications such as ethylene oxide and formaldehyde measurement, MAX StarBoost™ enables source testing, industrial process monitoring and IH Professionals a new level of real-time, in-process analytical capability. Supplied as a turnkey add-on to the MAX-iR™ 2030 FTIR, MAX StarBoost™ is compliant with existing methods and is easy to deploy with a quick learning curve for testing professionals!

Max StarBoost™ Key Features

- Single digit ppb detection limits
- Quick learning curve
- Specificity over GC-FID
- EPA Method 320 & ASTM D6348 compliant
- Max-Acquisition™/ MAX-Analytics™ Software
- Spectral Regions:
 - Aldehyde filter – formaldehyde, acrolein, acetaldehyde, HCl
 - Aromatic filter – ethylene oxide, BTEX
- Ideal for CEM Applications
- Switch between standard FTIR & StarBoost™
- Available on all MAX-iR™ gas Analyzers.

MAX-Acquisition™ and MAX-Analytics™ Software are included (depending on package) to seamlessly integrate with MultiGas™ software providing state-of-the-art FTIR spectral analysis. See MAX-Acquisition™ and MAX-Analytics™ software product brochure for further information. Two spectral bands are included with optional bands available on request.

For more information on MAX StarBoost™ please contact our Applications Group to discuss your specific requirements at 860-386-6878 or email: applications@maxanalytical.com



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Patent Pending, Max Analytical Technologies

MAX StarBoost™ Filter Bands

MAX StarBoost™ technology is available in several stock filter bands and can be deployed on any Max Analytical product utilizing the MAX-iR™ Gas Analyzer. Available stock filter bands, compounds and detection limits are shown below. Custom filter and compounds are available on request.

Stock Filter Bands	Sample Stream	Compounds	Detection Limit (1min average)
Aldehyde	Combustion Source (8.8% Water)	Formaldehyde	9ppb
		HCl	8ppb
		Acetaldehyde	500ppb
		Methane	650ppb
		Ethane	550ppb
		Water	110ppb
Aromatic	Ambient Air	Methane	4ppb
		Ethane	50ppb
		Ethylene Oxide	Summer 2019

MAX-Acquisition™ Software

Real-time data analysis, AutoReference algorithm to eliminate baseline drift, manual validation and reporting functions. See MAX-Acquisition™ Software brochure for more detail.



Analytical Technologies

Max Analytical Technologies

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