AIT Applied Instrument Technologies®

Process Analyzers. *Fast. Rugged. Reliable.*

AIT

Go Analyze

http://ait.nt-rt.ru/

По вопросам продаж и поддержки обращайтесь:

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сайт: www.ait.nt-rt.ru **|| эл. почта:** ati@nt-rt.ru

AIT Applied Instrument Technologies®

ABOUT US

• ***Applied Instrument Technologies*** *products deliver important physical & chemical compositional measurements to the process industry in order to reduce costs, improve quality & meet regulatory requirements. AIT's broad technology base includes FTIR, FT-NIR, NIR, Mass Spectrometry, Gas Chromatography, and Raman Spectrometry which allows us to offer customers a choice of solutions. With process development and on-line systems, AIT is able to provide both applications development support and real-time monitoring of batch and continuous processes.*

• *We serve the hydrocarbon processing, chemical, biotech/pharmaceutical, steel, natural gas, as well as other manufacturing industries. We are a world leader in providing real-time analysis of fuels blending.*

• *Our products provide multi-component and multi-stream analysis creating a strong value proposition to reduce costs through on-line analysis. Continuous analysis provides the data to meet product specification at least cost.*

• *AIT products are for general purpose use and are certified for hazardous area operation around the world.*

• *We deliver turnkey solutions by engineering and manufacturing sample conditioning systems and analyzer skids matching sample requirements to the analyzer.*

• *Our policy of non-obsolescence translates to readily available electronic and software updates to your analyzers.*

• *AIT has been marketing process analytical instruments worldwide from its headquarters in California since 1996 and is ISO 9001:2008 certified.*

ANALECT® FTIR/NIR • PIONIR® NIR • RPM® Raman Systems • FXI® Process GC • MGA™ Mass Spectrometry

AIT Applied Instrument Technologies®

ANALECT® FTIR

> *Using a broad spectral region from the near-infrared to the mid-infrared, the ANALECT series of FTIR/FT-NIR analyzers measure physical & chemical properties of liquids, solids & gases. The process proven ANALECT Transept™ Interferometer provides superior performance for complex refinery applications such as fuels blending and component streams applications for polymers, petrochemicals, chemicals, pharmaceuticals in addition to general manufacturing.*

Customers Include ADNOC, Agip, Dow Chemical, Dow Corning, DuPont, ExxonMobil, Gazpromneft, Hemlock Semiconductor, OMV, Sadara, Saudi Aramco and Tupras.

Spectra Suite

SpectraSuite™ takes you from lab to on-line, providing real-time process analysis, model development, validation routines & environmental reporting all in one reliable and stable suite of software.

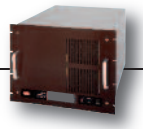
Hydrocarbon SmartSystem®
On-line, real-time FTIR monitoring of refinery and petrochemical process streams in hazardous areas.

ANALECT RefinIR™
Automated sampling system designed to analyze heavy and light hydrocarbons including crude oil and gasoline.

ANALECT PCM 1000™
Utilizing fiber optics, this multi-channel FTNIR on-line system can be operated in hazardous environments.

ANALECT PCM 5000™
Mid-infrared process analyzer for gases & liquids designed in custom configurations.

ANALECT Diamond MX™ Rackmount
Analyzer designed for rackmount FTNIR applications



AIT Applied Instrument Technologies®

PIONIR® Dispersive Near Infrared

> The PIONIR series NIR analyzers are designed for operation in process development as well as rugged, on-line environments utilizing patented and licensed BP Amoco technology. PIONIR systems provide real-time, multi-point analysis of refinery process streams such as gasoline and diesel fuel. Applications include RON, MON, distillation points, aromatics, olefins and cetane number.

Customers include ADNOC, BP, CITGO, CPCL, Gazpromneft, HPCL, IOCL, Orpic, Phillips 66, Rompetrol, Statoil, PBF Energy and Tesoro.

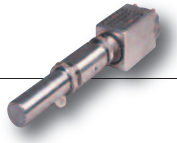
Spectra Suite

SpectraSuite™ takes you from lab to on-line, providing real-time process analysis, model development, validation routines & environmental reporting all in one reliable and stable suite of software.

PIONIR 1024X™
Multi-channel on-line analyzer designed for operation in hazardous areas.

PIONIR MVP+™
Support for process development, the MVP+ utilizes the same optical bench as the 1024. Also available in a process rackmount configuration.

PIONIR Probe
Unique dual-channel design provides a background with every sample run. It allows for industry leading stability.



Validation Skid
Compliant to ASTM D6122: Standard practices for validation of performance of on-line analyzers.

RPM® Laser Raman Systems

> The RPM View is a Patented Raman Photometer designed for real-time concentration measurement and analysis of multiple analytes in either liquid or gas phase process streams.

> The RPM View analyzer is compact and can be configured to perform continuous chemical composition analysis of up to eight components.

> The RPM View directly couples onto a process resulting in high sensitivity measurements through a process view interface cell.

> The RPM 785 is a multi-channel ccd-based analyzer designed for multiplexing fiber-optic probes and cells.

Spectra Quant

SpectraSuite™ takes you from lab to on-line, providing real-time process analysis, model development, validation routines & environmental reporting all in one reliable and stable suite of software.

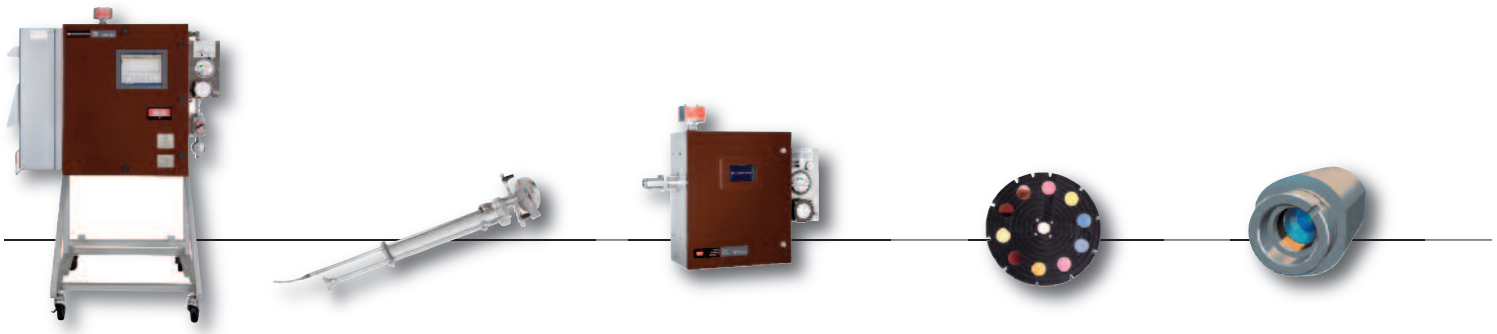
RPM 785™
Multi-channel CCD-based Raman analyzer designed for real-time process development monitoring.

RPM 785 Probe
Custom Raman analyzer in-situ and extractive probes are available.

RPM View™
Raman Photometer delivers real-time analysis of liquid of gas phase process streams.

RPM Photometer Wheel
Filter wheel allows analysis of up to eight process components.

RPM Interface Cell
High sensitivity Raman cell can be configured for liquid or gas phase applications.



FXI® Process Gas Chromatography

> The FXI process gas chromatograph continuously analyzes and reports individual component concentrations of gas or liquid process streams. Typical applications include BTU, hydrocarbon dew point, H_2S and total sulfur analysis in natural gas, speciation of hydrocarbon isomers, analysis of aromatic compounds, ambient air, analysis of hydrocarbons, high purity analysis at ppb levels and wastewater analysis.

Customers include BASF, Brunei LNG, Formosa Plastics, Goodyear, Huntsman, J&J Ethicon, Malaysia LNG, Petrovietnam, Sabic and Saudi Aramco.

Chrom FX

ChromFX™ AIT's new software platform simplifies user setup and operational functions through an intuitive easy to navigate menu-selectable interface. The software is built with advanced process control communication interface.

FXI Series 5™
Blends LAMS software with a color touchscreen user interface that upgrades the Foxboro® 931 GCs.

FXI Series 7™
Next generation process gas chromatograph developed by AIT from a heritage of highly reliable process GCs. The FXI Series 7 blends an all new state-of-the-art HMI software and modular electronics platform with field-proven, robust chromatography architecture. New enhancements to the platform feature ChromFX™ software, parallel chromatography, multiple-oven and (EPR) Electronic Pressure Regulation capabilities.

AIT Applied Instrument Technologies®

MGA™ Process Mass Spectrometry

> *The MGA series of Multiple Gas Analyzers utilize proprietary magnetic sector technology to provide rapid, accurate and stable real-time monitoring of multi-component gas streams. Typical process monitoring applications include ambient air, ammonia, ethylene oxide, fermentation, fuel cell analysis, high purity gas analysis, leak detection, blast furnace and coke oven top gas.*

Customers include AbbVie, ArcelorMittal Steel, BASF, BOC Gases, Delphi Automotive, DuPont, Eli Lilly, GE, Merck, NASA, Nippon Sumitomo Steel, Pfizer, Scientific Design, Solazyme and U.S. Steel.

Prime **for MGA 1200EC**

Windows®based software used by the MGA analyzer for process monitoring and reporting of multi-component gas streams.

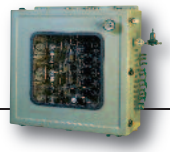
Cypress **for MGA iSCAN**

MGA 1200EC™
Fixed magnetic sector; less than 1 second time with mid-ppm to % level analysis of up to 15 components.

MGA iSCAN™
Double-focusing , magnetic scanning analyzer measures up to 40 components from low ppb to100%.

MGA 1200™Upgrade – Turbomolecular Pump
Replaces ion pump to increase reliability and provide fast pumpdown.

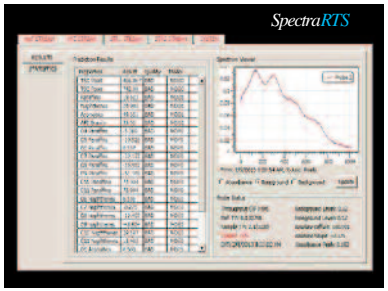
MGA Sample System
Turnkey sample conditioning systems and multipoint stream switching

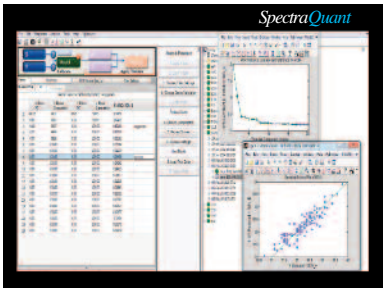


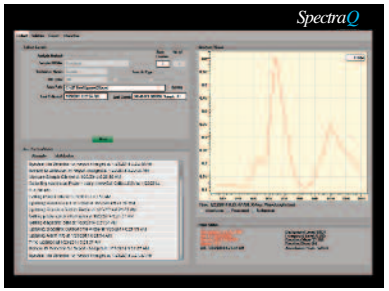
SpectraSuite™

AIT Applied Instrument Technologies®

AIT's powerful software package *takes you from routine laboratory use to on-line, providing real-time process analysis, model development, validation routines & advanced process control interface; all in one reliable and stable suite of software. It is designed to be deployed across the ANALECT,® PIONIR® and RPM® products.*







Spectra RTS

SpectraRTS™ is leading edge Windows® based software utilized with analyzers for process monitoring, analysis and control. It provides sample system control & DCS communications.

Spectra Quant

SpectraQuant ™ is advanced Windows® based chemometric software utilizing spectrascopic models to deliver predictions.

Spectra Q

SpectraQ™ enables the effective use of AIT's instruments & sampling accessories for routine laboratory analysis and instrument validation.

Spectra EVM

SpectraEVM™ gives you an environmental reporting package allowing continuous reporting of up to 99 streams for use in a CEMS or other ambient air monitoring applications.

Spectra Studio

SpectraStudio™ provides a Windows® based data collection and analysis program designed to provide a high degree of flexibility to users operating in lab environments.

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