Applied Instrument Technologies by Schneider Electric

ANALECT[®]PCM[™]

FTIR/FT-NIR Analyzer

The **ANALECT *PCM**[™]Series FTIR/FT-NIR process analyzers measure physical, chemical and compositional properties of liquids, solids and gases.

- On-line, in-situ, and at-line monitoring of batch and continuous processes.
- Displays up to 15 properties at once and measures up to 30 properties per stream.
- Optical multiplexing capabilities provide analysis of up to 16 process streams using fiber optic or extractive stream switching.
- Utilizes process-proven ANALECT Diamond 20 Transept[™] optical head:
 Vibration tolerant optical system allows placement of analyzer in hostile industrial environments.

 Absolute optical alignment of components provides for repeatable spectra, allowing calibrations to remain stable indefinitely.

 SpectraRTS[™] software engineered exclusively for on-line monitoring, allowing use by engineers, maintenance personnel, and chemists.





Full chemometric modeling capability including SpectraQuant,[™] MATLAB[∞] Unscrambler,[∞] & Pirouette[∞]

Autor ANALECT

- Communication options including OPC^{*}, Modbus[®] as well as analog protocols.
- The PCM monitors versatility allows for a wide range of applications including:
 - Chemicals
 - Petrochemicals
 - Polymers
 - General manufacturing
 - Pharmaceuticals
 - Gas analysis

SAMPLING FLEXIBILITY

Liquids	Mid IR	NearlR
Transmission Probe	es 🔳	
ATR Probes	•	
Cross-line Probes		
Slip-stream Probes		
Gases		
Gas Cells		
Solids		
Diffuse Reflectance	;	•



DASTEC S.R.L.

Applied Instrument Technologies by Schneider Electric

Specifications

Spectrometer

Interferometer:

- Transept IV[™] hermetically sealed module with refractively scanned design
- Optical range: 7000–450 cm⁻¹ Mid-IR; 12000–1200 cm⁻¹ NIR
- Detector options: DTGS Pyroelectric; InAs; InGaAs; MCT Analysis Time
- 30–60 sec. for multiple property predictions *Ambient Environment Conditions*
- 0-38°C standard ambient temperature
 -20-50°C with optional heating and A/C system
 Area Classification
- ATEX/CENELEC Zone 1 & 2
- NFPA Class I, Division 1 & 2

Process Control Interface

- Modbus, OPC and analog protocols
- Fiber optic Ethernet and serial communications options Utility Requirements-Analyzer and Cell Enclosure
- Main power 115/230 VAC 50/60Hz single phase 1500 watts
 Instrument Dimensions: Optical Head and Sample Box
- 220cm H x 97cm W x 46cm D (87 H x 38 W x 18 D)
- Weight: 270kg (600lb)

Argentina
 Tel: (+54 11) 5352 2500
 Email: info@dastecsrl.com.ar
 Web: www.dastecsrl.com.ar
 Uruguay www.dastecsrl.com.uy

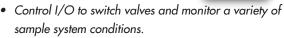
Bolivia www.tecdas.com.bo

ANALECT[®]PCM[™]

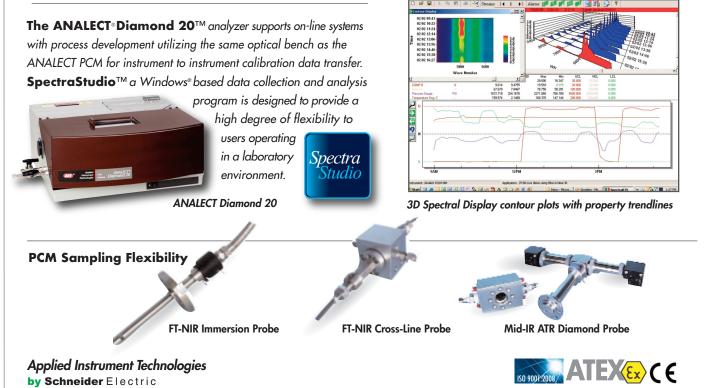
Spectra

SpectraRTS[™]Software Drives Your Process

Automate many aspects of your process



- Collect spectra and apply quantitative analysis routines.
- Transmit product properties, instrument QC data, and alarms via versatile communications protocols.
 Implement calibration tools and programming flexibility
- Apply a wide variety of quantitative analysis routines including: SpectraQuant,[™] MATLAB[®] and Pirouette[®]
- Utilizes Visual Basic for Applications (VBA) compatible scripting language to achieve total programming flexibility
- Operate the system remotely by using pcANYWHERE[™] or Timbuktu®software.
- Multi-level password access. Validate and diagnose your system
- Implement on-line validation methods, such as ASTM D6122.
- Automatically monitor and trend the system's "health" with Remote R_x software for preventative maintenance scheduling.
- Access the on-line help system for quick reference.



2121 Aviation Drive Upland CA 91786 • 909 204-3700 T • 909 204-3701 F • ait@schneider-electric.com • www.AlTanalyzers.com

AIT logo, Applied Instrument Technologies, Inc. and ANALECT are registered trademarks of Applied Instrument Technologies, Inc. PCM, ReflectIR, Diamond 20, SpectraRTS, SpectraQuant and Transept Interferometer are trademarks of Applied Instrument Technologies, Inc. Windows is a registered trademark of Microsoft Corp. OPC, Modbus, Unscrambler, MATLAB, Pirouette and Timbuktu are rnegistered trademarks.

Life Is On | S

