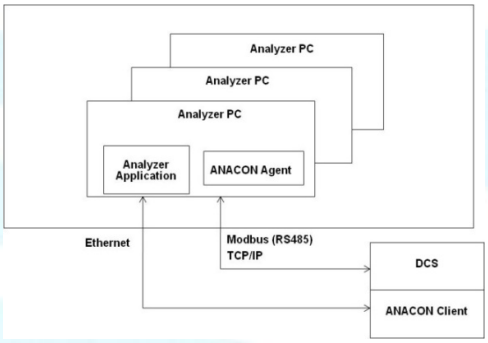
ANACON - Analyzer Management & Control System

Wide range of process analyzers are being used nowadays in modern industry. These analyzers deliver measurement results and status information to the DCS but different communication standards and operation philosophy of these analyzers make this operation complicated. Successes that can be attributed to the use of process analyzers include remote monitoring, validation and maintenance of the analyzer systems in one single tool.

The Challenge

ANACON is a full-distributed Analyzer Management and Control System that was developed to provide more efficient tools for maintenance, calibration and validation of the analyzer systems. It was configured to be connected to remote systems using communication links like TCP/IP or RS-485. ***ANACON*** was developed to be run on Microsoft Windows platform.

ANACON is able to monitor the operating state of the installed equipment and validate a wide variety of analyzers and instruments. Once an analyzer or instrument is validated, ***ANACON*** will evaluate and register the results using statistical rules.



Benefits using *ANACON*

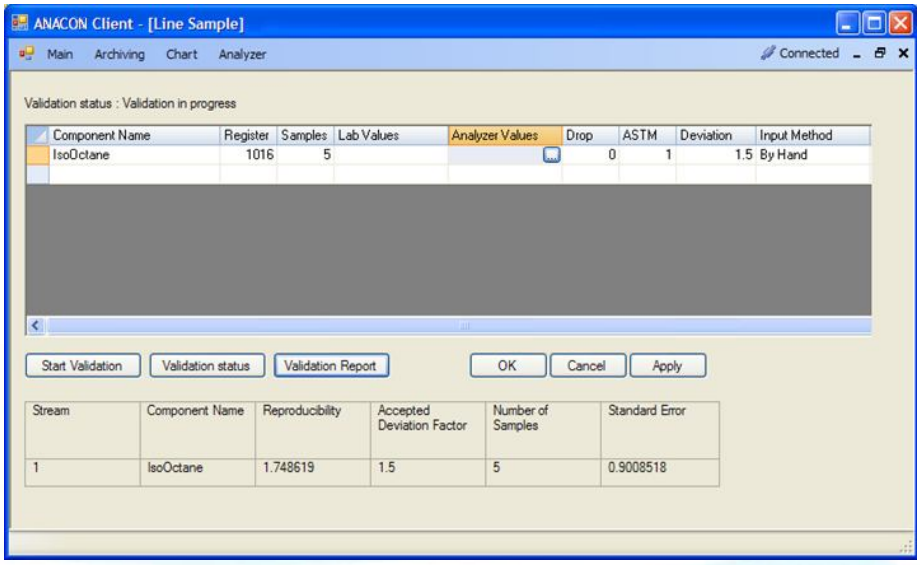
- **Monitor and Control** a wide range of analyzers
- **Graphical Display** of the data from multiple analyzers
- Provide **Historical Data** on analyzer performance
- Manage **Validation Procedures** according to ASTM D3764
- **Self Calibration FreeTune** mechanism
- **Control Active Streams**
- **Alarms Management**
- **Remote Maintenance**
- **Multilingual Support**

ANACON Software Features

Graphical Display and Maintenance Tools

- Graphical display tool not only provides on-line information from the multiple analyzers but also allows viewing historical data which is archived automatically upon configuration.
- Maintenance tools are based on a TCP/IP communication link, which allows remote access to the selected analyzer's server for remote maintenance and calibration procedures.

Analyzer Validation



ANACON software supports two validation methods according to ASTM D3764:

Reference Sample Method – mostly used for laboratory Analyzer validation while laboratory measured sample is then introduced into the analyzer.

Line Sample Method – while previously obtained analyzer results are compared with laboratory analyses using the appropriate ASTM or other test method.

Freetune Calibration

FreeTune is a proprietary software package replacing the model-based and other calibration techniques. This technology is field proven within the petroleum refining industry. **Freetune** surpasses other techniques by accurately quantifying properties without the need for model maintenance and fine-tuning.