Diode Array 7300 OL

OPC Server

Benefits:
Connectivity
Information Integration
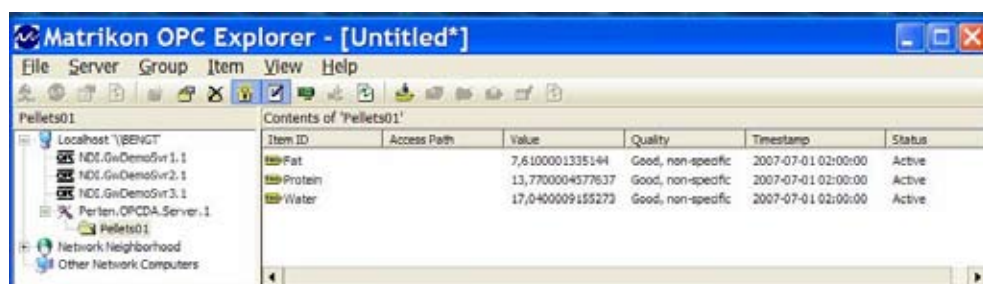Real Time
Industry Standard

Perten
INSTRUMENTS

Diode Array On-Line Analyser

The Diode Array On-Line NIR Analyser DA7300 OL is an advanced and modern NIR on-line analyser for use in Grain, Flour, Food and Feed processing. The analyser provides real time information about the process thus enabling automatic process control, and allows immediate manual intervention. The analyser is a version of the Perten Instruments DA7200 bench top analyser, which has been successfully deployed in a wide range of applications.

OPC Server

Installing an instrument in any process industry brings large potential benefits such as increased production, reduced waste, efficient raw material usage and improved quality. In order to realize these benefits efficiently, the information that the instrument provides should be seamlessly integrated with plant controls and information management systems. Using the Perten Instrument OPC Server, this integration is feasible and easily achieved.

Built on Microsoft® standards OLE, COM and .NET, the OPC server is a straight forward way to interact with the instrument. Measurement results and instrument status are read from the server using a set of pre-defined OPC tags. Likewise, writing information such as product codes and commands for starting and stopping measurements are send over the OPC interface.

Features and Benefits

Information Integration: By using OPC, all systems in a plant can access relevant data for process controls and keeping records.

Industry Standards: Using well-known industry standards ensures connectivity with all modern equipment at a minimum of efforts.

Optional additions

OPC Exchange: The standard OPC server is providing information for OPC clients to read and write. However, in the event an other OPC server is to communicate with the Perten Instruments OPC Server, an additional component is required, as two servers cannot communicate directly. This is know as the OPC Exchange.

OPC to PLC: PLC:s can not always read information from an OPC. In the event a measurement result is to be used by a PLC in a control loop, we need to make provisions for this to be possible. In such cases, we can write the relevant constituent value in to the PLC directly. That is, we do not require an intermediate OPC client to extract the data.

Specifications

As defined by OPC Foundation, OPC Data Access.

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