

OMNICHEM / MINICHEM COMMUNICATION

BACKGROUND

The OMNIChem / MINIChem contain advanced electronics which allow a vast variety of communication options. These methods can be simple but robust analog connections or more advanced digital data transfer.

Digital data can be transmitted in a number of formats. The preferred industrial protocol of NEXTChem is Modbus RTU.

In addition to data transfer; data storage is also possible with Compact Flash solid state storage. This gives the data incredible portability and the ability to be read by a PC.

The analyzer also has the possibility of remote access and control via an Ethernet connection. With a PC and a JAVA applet it is possible to interact with the analyzer over great distances in real-time. In addition; it is also possible to see in real-time all the user-screens of the analyzer.

The analyzer has the possibility of utilizing a USB port. At the present time this port is used to upload user interface programs, in the future many features will be added.

ANALOG FORMAT

All NEXTChem Analyzers have analog current outputs as well as an alarm relay. This allows NEXTChem to communicate with legacy systems.

Analog Current Outputs (4-20 mA)
Alarm Relay (6 A)

DIGITAL FORMAT

All OMNIChem/MINIChem Analyzers have two serial outputs.

RS232 Modbus RTU
RS232 Serial Data Recorder-256 MB Compact Flash (Optional)

ETHERNET (Optional)

OMNIChem/MINIChem Analyzers may have a single Ethernet output.

Remote Access/Remote Control
Automatic Email Alerts

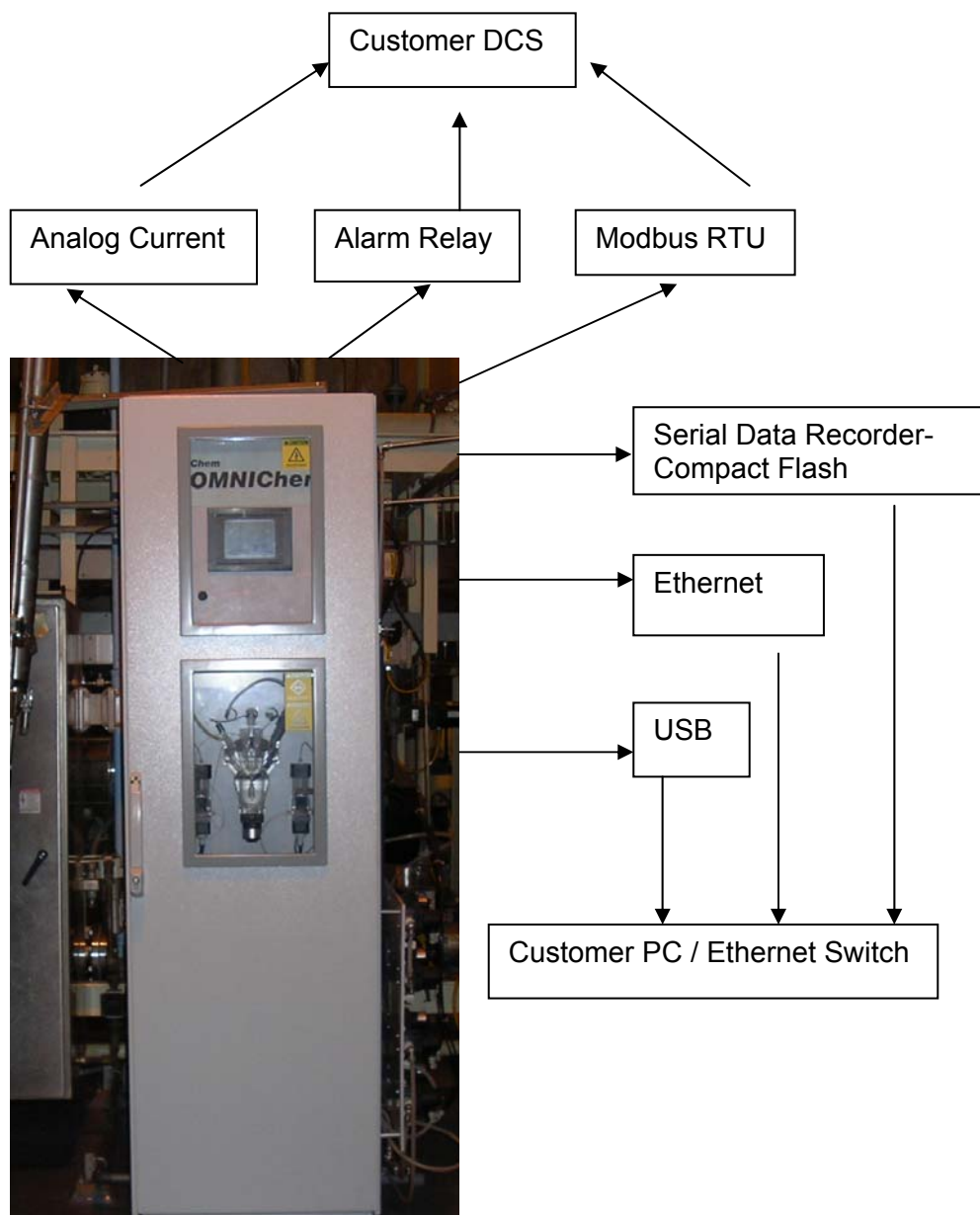
USB (Optional)

OMNIChem/MINIChem Analyzers may have a single USB output. Many features will be added to this port in the future.

USB Project Loader

ADVANTAGES

- 1) Analog Outputs for Legacy Systems
- 2) Ethernet for Remote Access
- 3) Ethernet for Remote Control
- 4) Compact Flash Data Storage
- 5) Modbus RTU (NO EXTRA CHARGE)



NEXTChem Process Analyzers, Inc.
1900 North Austin Ave. Suite 101
Chicago, Illinois 60639 USA
Office Phone: 1-773-637-NEXT (6398)
Office Fax: 1-773-637-7260
www.nextchem-analyzers.com