

CHIPCHEM COMMUNICATION

BACKGROUND

The CHIPChem Analyzer contains 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 a SMS / GPRS Modem. With this connection data and alarm states can be sent to any number of mobile phones the end-user specifies. The customer also has the possibility to interact with the user interface with a mobile phone connection.

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 CHIPChem Analyzers have two serial outputs.

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

ETHERNET

CHIPChem have a single Ethernet output.

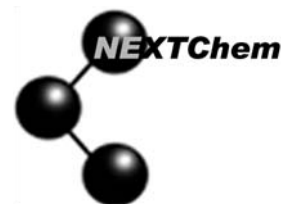
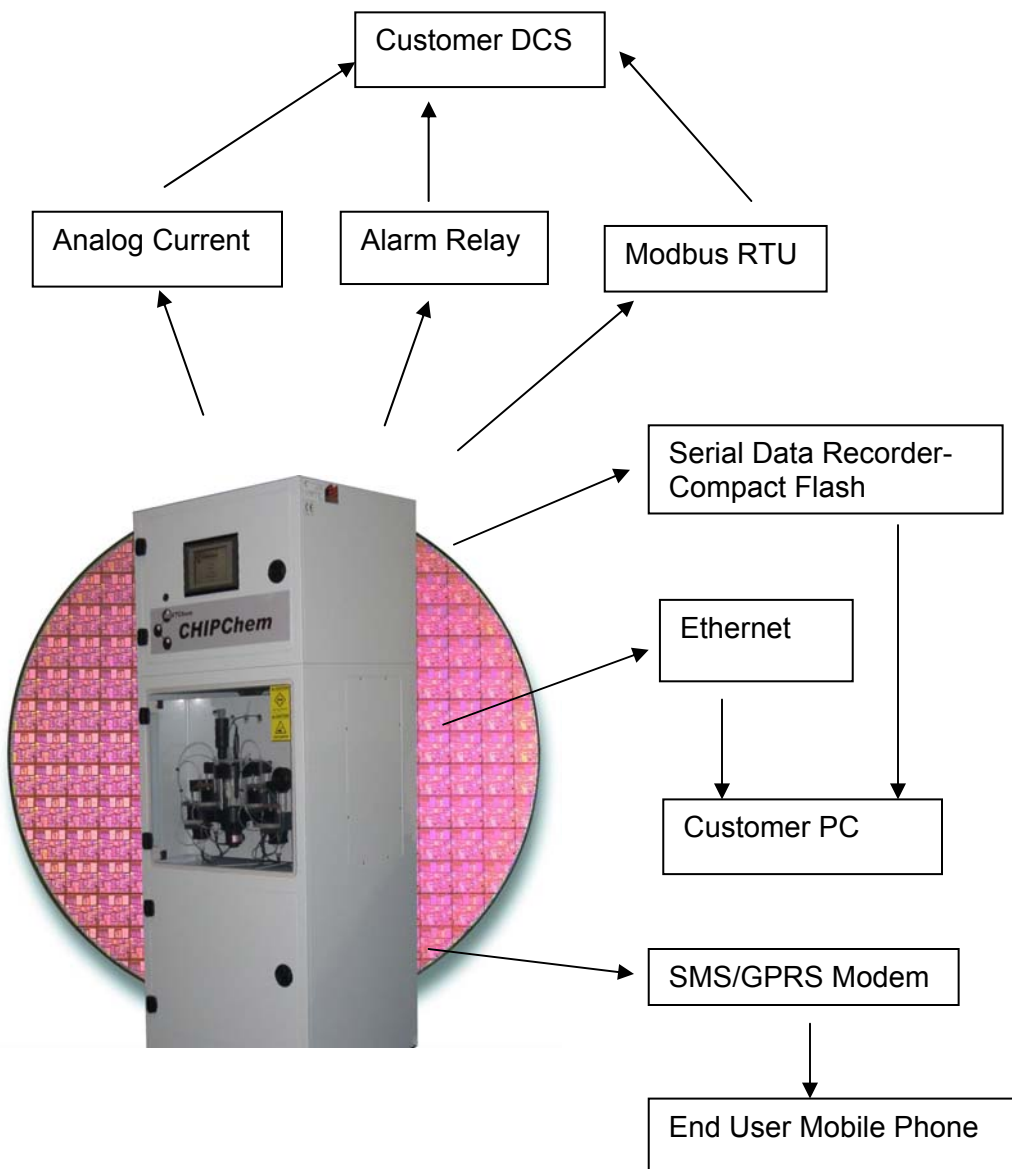
Remote Access/Remote Control
Automatic Email Alerts

SMS / GPRS Modem (Optional)

HANDYChem Analyzers can utilize the one of the serial outputs

ADVANTAGES

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



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