

NEXTChem Process Analyzers, Inc.



About NEXTChem Process Analyzers

NEXTChem Process Analyzers, Inc. produces chemical process analyzers for industries such as petroleum, metal pre-treatment, metal finishing, chemical, mining, and wastewater.

NEXTChem utilizes non-proprietary electronics which means as new products become available in industrial automation market our analyzers can seamlessly incorporate these improvements.

NEXTChem is dedicated to producing, servicing and continuously improving the best process analyzers in the world.



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WHERE ARE OUR ANALYZERS USED?

In many facilities there are laboratory tests which are performed continuously for both quality control and process control purposes. These measurements require a huge amount of laboratory manpower. A lab technician must collect the sample in the field, perform the analysis in the laboratory, and then finally report the results to plant operations so process adjustments can be made.

The NEXTChem family of analyzers replaces this time consuming process. A NEXTChem Analyzer is placed in the field near the process. It then automatically collects the sample, performs the measurement, and reports the results electronically to plant operations. In addition; the OMNIChem/MINIChem series of analyzers can also perform the process adjustment autonomously.

KEY ADVANTAGES OF OUR ANALYZERS.

There are eight key advantages in using the NEXTChem series of process analyzers.

- 1) *FILTER-FREE* Sample Collection - (No Plugging <6 mm Particles)
- 2) Advanced Electronics - (Modbus, Ethernet, GSM/SMS Modem)
- 3) Analysis/Process Control - (Autonomous Process Control)
- 4) Bilingual User Interface - (OMNIChem/MINIChem only)
- 5) Advanced Precision Reagent Pumps - (± 0.001 mL)
- 6) Dynamic Sensor Display - (Observable on Interface)
- 7) Multiple Samples - (Up to 8 Sample Streams)
- 8) Multiple Analyses - (Up to 12 Analyses)

ANALYSES FOR INDUSTRIES.

The NEXTChem family of analyzers are designed to operate in a wide variety industries and in difficult environments.

Metal Finishing: Free/Total Acid (H_3PO_4), Iron (Fe^{+2}), Nitrite (NO_2^-)

Petroleum: Sulfite (SO_3^{-2}), Hydrogen Sulfide (H_2S), Caustic ($NaOH$)

Chemical: Hydrogen Peroxide (H_2O_2), Chloride (Cl^-), Ozone (O_3)

Power Gen.: Boron (H_3BO_3), Sodium (Na^+), Chlorine (Cl_2)

Waste Water: Ammonia (NH_3), Nitrate (NO_3^-), Cyanide (CN^-)

Drinking Water: Hardness (Ca^{+2} & Mg^{+2}), Fluoride (F^-), Alkalinity (H_2CO_3)

Semiconductor: Nitric Acid (HNO_3), Hydrofluoric Acid (HF), Copper (Cu^{+2})

Food/Beverage: Phosphoric Acid (H_3PO_4), Ascorbic Acid ($C_6H_8O_6$)

Ask NEXTChem to see if we can automate your chemical analysis!