

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.



Contact Us:
NEXTChem Process Analyzers
 1900 N Austin Ave. Suite 101
 Chicago, IL. 60639 USA

OFFICE (773) 637-NEXT (6398)
FAX (773) 637-7260

MINIChem Series Process Analyzers

The MINIChem process analyzer can perform a limited amount of process control and chemical measurements.

Its sample system can be designed for either automated dilution or very dirty sample streams. All NEXTChem analyzers are designed to operate *FILTER-FREE*; this type of sampling **INCREASES RELIABILITY** and **DECREASES MAINTENANCE**. This sample system makes it possible to collect samples containing ≤ 6 mm particles.

Two types of measurement methods are used for almost all NEXTChem analyzers: titration and (ion selective) standard addition. Both types of measurement methods can be used on all NEXTChem analyzers making each type of analyzer extremely flexible.

All NEXTChem analyzers utilize modern electronics. Modbus is a standard feature of all analyzers. Ethernet and a GSM/SMS modem are also available.

MINIChem Technical Specifications

Touchscreen	1	5.7" Grayscale or 6.5" Color
Sample Streams	2 / 4	½" (12 mm) Sample Line
Total Analyses	2 / 4	Titration and/or Ion Selective
Analog Outputs	2 / 4	4 – 20 mA (Souring)
Precision Pumps	4	± 0.001 mL
Probe Inputs	3	pH / ISE / ORP / Color
Process Control Points	1 / 2	Pneumatic Pump (3 GPM)
Alarm Relay	1	2 A (24 VDC)
Serial Outputs	1	RS232 / Modbus
DeviceNet / Profibus-DP	1	slave only
Ethernet	1	10/100 Mbs (Optional)
Titration		dilution ± 0.5%, non-dilution ± 0.2 %
Ion Selective		dilution ± 5.0 %, non-dilution ± 2.0 %

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 (H₃PO₄), Iron (Fe⁺²), Nitrite (NO₂⁻)

Mining: Silver (Ag⁺), Copper (Ag⁺), Tin (Sn⁺²)

Chemical: Hydrogen Peroxide (H₂O₂), Chloride (Cl⁻), Ozone (O₃)

Power Gen.: Boron (H₃BO₃), Sodium (Na⁺), Chlorine (Cl₂)

Waste Water: Ammonia (NH₃), Nitrate (NO₃⁻), Cyanide (CN⁻)

Drinking Water: Hardness (Ca⁺² & Mg⁺²), Fluoride (F⁻), Alkalinity (H₂CO₃)

Textile: Indigo (C₁₆H₁₀N₂O₂), Hydrosulfite (S₂O₄⁻²)

Food/Beverage: Phosphoric Acid (H₃PO₄), Ascorbic Acid (C₆H₈O₆)

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