

Environmental Industry

Koehler Instrument Company's line of analyzers for the environmental industry can be used to test compounds and pollutants in water or soil. Key applications for these kinds of tests include, Environmental Chemical Testing, Agriculture, Public Health and Safety, and Field Testing. Please inquire with your Koehler Sales Representative to learn more about our analyzers and how they can provide a solution for your specific application. Or visit our website at www.koehlerinstrument.com to find detailed specifications on each of the products you see listed here.

quality
service
innovation
technology



Environmental Industry



Elemental Analysis using EDXRF

Energy Dispersive X-ray Fluorescence analysis using the Koehler EDX line of instrumentation provides quick and accurate results for testing contaminated soils, sediments and sludge. XRF techniques are recognized by the EPA and are used for determining heavy metal concentrations in soils and sediments. These analyzers can also be used to quantify trace metals in aqueous samples down to ppb levels. The Koehler EDX Analyzers boast high resolution detectors, sophisticated, user-friendly software and a convenient built in printer. With three different models available we will be sure to find the EDXRF Elemental Analyzer to meet your environmental testing needs.

Kjeldahl Determination

Kjeldahl analysis is the worldwide method used for determining total nitrogen in many different applications including the environmental industry. Kjeldahl Analysis is a three step process with the main steps being Digestion, Distillation, and Titration. Koehler offers products for all 3 steps with different levels of automation, sample capacity, and sample volume depending on your budget and testing needs. Our unit conforms to EN 16169 for testing nitrogen in sludge, biological waste, compost and soil.



Colorimeter

The Koehler Automatic Colorimeter provides high precision photometric color measurements that are objective, accurate and consistent over a wide variety of samples required for quality control programs. For the environmental industry, legislation requires that portable water must be almost colorless. Water from rivers, reservoirs and reclaimed sources are put through a purification procedure before being distributed for consumption. Part of this procedure includes checking the color by using dilutions of platinum as a color standard according to ASTM D1209 for Hazen, APHA, and Pt/Co Color.

Glassware

Koehler also provides calibrated thermometers, hydrometers, and a wide array of glassware specifically suited for an environmental testing laboratory.



pH and Conductivity Meter

The Koehler benchtop pH and Conductivity Meter is ideal in every laboratory for routine or R&D level measurements. This unit features user interactive software for ease of operation and can simultaneously measure pH, mV and temperature with conductivity, TDS and salinity as an additional option. Conductivity is an important factor in water analysis for quality of drinking water, waste water treatment plants, pollution control in lakes & rivers, boiler feed water and oceanography to determine salinity and TDS.



Halogen Analyzer

The Koehler Halogen Analyzer consists of a manual or automatic sample feed, a two-stage furnace, unit and a microcoulometric titration device. This instrument is the ideal solution for numerous applications including Halogen analysis in environmental samples. In modern times, both ground water and surface water are increasingly contaminated with organic substances. Among these substances, the organohalogen compounds, which may be of either natural or anthropogenic origin, constitute a serious hazard to man and the environment. The analyzer can perform measurements conforming to ISO 9562 for Water quality – Determination of absorbable organically bound halogens (AOX), DIN 38409 for the Examination of water, waste water and sludge (POX), and DIN 38414 for Determination of the organically bound halogens amenable to extraction (EOX).



Centrifuge

The Koehler Centrifuges are built to last with a strong construction yet a sleek modern design that will fit into any modern laboratory. We offer a wide selection of rotor and size options to fully customize the centrifuge to your laboratory needs. Designed with Analytical Laboratories in mind, our centrifuges offer efficient sample processing while maximizing lab bench space. They are ideal for Microbiology Analysis, Chemical Testing Analysis and many other applications.



Density Meter

Density is a fundamental physical property that can be used in many laboratory applications. Specific to the Environmental Industry, it can be used in water testing to study seawater or wastewater. Our Automatic Density Meter has an accuracy of 0.00005 g/cm³, user friendly touch screen interface and a live video assisted view of the cell capable of approximately 10X magnification to make it the ideal solution for your testing needs.

quality service innovation technology
service innovation technology quality
innovation technology quality service
technology quality service innovation



1595 SYCAMORE AVENUE • BOHEMIA, NEW YORK 11716-1796
1-800-878-9070 (in u.s. only) • TEL: +1 631 589 3800 • FAX: +1 631 589 3815
www.koehlerinstrument.com • Email: sales@koehlerinstrument.com

©2017 Koehler Instrument Company, Inc.

 **Koehler**
INSTRUMENT COMPANY, INC.