



# PRODUCT GROUPS

2024-2025 Product Information Document  
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## Product Groups

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We offer research quality laboratory instruments, consumables, and spare parts for product control in the operations of Food, Petrochemistry, Environmental, Agricultural, Paint-Plastic, Pharmaceutical and Polymer industries. We serve customers within pharmaceutical and biotech companies, universities, research institutions, and government agencies, as well as in environmental and process control industries.

### General Laboratory Instruments

We offer an extensive line of high-quality general lab instruments consisting of Mixers, Centrifuges, Pipettes, Stirrers, Ovens and Sterilizers, Balances, Rotary Evaporators, Pure & Ultrapure Water Systems and much more.

### Food Analysis Instruments

Elementel provides a wide range of food analysis instruments for factories that produce milk and dairy products, meat and meat products, biscuits & chocolate and more.

### Environmental Analysis Instruments

You can find a solution for waste water - drinking water, environmental pollution, solid waste, soil, waste oil, oil-grease, sedimentation analysis.

### Agricultural-Pharmaceutical Analysis Instruments

We offer a complete range of instruments used in a variety of analysis consisting of fertilizer analysis, analysis of plant material, soil analysis, leaf analysis, pharmaceutical analysis and more.

### Petrol-Chemical Analysis Instruments

Measurement of volatile, semivolatile, and metals components in petrochemicals. Elementel offers a full range of instruments to measure these basic parameters. Instrument configurations meeting the needs of ASTM and other specialized methods are required.

### Laboratory Supplies and Consumables

Elementel carries a wide selection of lab consumables and supplies including high purity chemicals, microbiological testing products, beakers, burettes, tubes, flasks, funnels, dispensers, tweezers, cylinders and more for the modern chemistry, biology or medical lab. With top laboratory supply brands you are sure to find the laboratory supplies you are looking for.

## General Laboratory Instruments

### Baths and Circulators

- Simple Water Baths
- Circulating Water Baths
- Shaking Water Baths
- Ultrasonic Baths
- Oil Baths
- Sand Baths
- Immersion Circulators
- Recirculating Chillers

### Fume Hood / Laminar Flow Cabinets and Laboratory Bench

- Fume Hoods
- Laminar Flow Cabinets
- Plant Growth Chambers
- Glovebox Cabinets
- Acid Storage Cabinets
- Laboratory Benches
- Balance Tables

### Ovens and Sterilizers

- Incubators (Bacteriological Ovens)
- Sterilizers (Drying Ovens)
- Hybridization Ovens
- Autoclaves (Steam Sterilizers)
- Freeze Dryers (Lyophilizers)
- Muffle Furnaces
- Tube Furnaces
- High-Temperature Furnaces

### Homogenization Instruments

- Low Speed Mechanical Homogenizers
- High Speed Mechanical Homogenizers
- Stomacher Homogenizers

### Heating Systems

- Hot Plates
- Block Heaters
- Mantle Heaters
- Automatic Bunsen Burners

### Mixers and Shakers

- Magnetic Stirrers Without Heating
- Heated Magnetic Stirrers
- Overhead Lab Mixers
- Rotary Shakers (Rotators)
- Orbital Shakers
- Linear Shakers
- Horizontal Shakers
- Tube Shakers (Vortex)
- Microplate Shakers

### Laboratory Coolers

- Laboratory Refrigerators
- Laboratory Freezer
- Portable Coolers

### Sample Handling/Preparation Instruments

- Portable Water/Waste Water Handling Systems
- Stationary Water/Waste Water Handling Systems
- Auto Samplers
- Microwave Sample Preparation Systems

### Grinders/Crushers and Shredders

- Centrifugal Mills
- Mortar Grinders
- Planetary Ball Mill
- Disc Mills
- Cryogenic Grinders
- Laboratory Grinders
- Jaw Crushers
- Cross Beater Mills
- Laboratory Mixers
- Laboratory Blenders
- Sieve Shakers
- Sample Dividers

### Pumps and Compressor

- Peristaltic Pumps
- Simple Vacuum Pumps
- Oil Lubricated Vacuum Pumps
- Diaphragm Vacuum Pumps
- Syringe Pumps
- Compressors

### Rotary Evaporators

- Rotavapor R-3
- Rotavapor R II
- Rotavapor R-210 / R-215

### Centrifuges

- Small Centrifuges
- Benchtop Centrifuges
- Microlitre Centrifuges
- High Speed Centrifuges
- Milk Testing Centrifuges

### Liquid Handling Systems

- Bottletop Dispensers
- Digital Burettes
- Automatic Pipettes
- Motorized Pipette Filler

### Water Purification Systems

- Ultra Pure Water Systems
- Distilled Pure Water Systems
- Deionized Water Systems

### Balances

- Analytical Balances
- Precision Balances
- Micro Balances

## Electrochemical and Titration Instruments

### pH Meters

- Portable pH Meters
- Benchtop pH Meters

### Conductivity Meters

- Portable Conductivity Meters
- Benchtop Conductivity Meters

### Dissolved Oxygen (DO) Meters

- Portable Dissolved Oxygen (DO) Meters
- Benchtop Dissolved Oxygen (DO) Meters

### Salinity Meters

- Portable Salinity Meters
- Benchtop Salinity Meters

### Total Dissolved Solids (TDS) Meters

- Portable Total Dissolved Solids (TDS) Meters
- Benchtop Total Dissolved Solids (TDS) Meters

### Oxygen Reduction Potential (ORP) Meters

- Portable Oxygen Reduction Potential (ORP) Meters
- Benchtop Oxygen Reduction Potential (ORP) Meters

### Ion (ISE) Meters

- Portable Ion (ISE) Meters
- Benchtop Ion (ISE) Meters

### Multimeters

- Portable Multimeters
- Benchtop Multimeters

### Potentiometric Titrators

### Volumetric Titrators (Karl Fischer)

### Colorimetric titrator (Karl Fischer)

### Potentiostat/Galvanostat Instruments

### PCR and Electrophoresis Systems

- PCR Thermal Cyclers
- Gel Electrophoresis Systems
- Capillary Electrophoresis System

## Chromatography/Spectroscopy Systems

### Gas Chromatography Systems

### Liquid Chromatography Systems

### Ion Chromatography Systems

### Amino Acid Analysis Systems

### Photometers

### Vis/UV-Vis Spectrophotometers

### NIR Spectrometers

### FT-IR Spectrometers

### Raman Spectrometers

### Atomic Absorption Spectrometers (AAS)

### Inductively Coupled Plasma Optical Emission Spectrometers (ICP-OES)

### Inductively Coupled Plasma Mass Spectrometers (ICP-MS)

## Extraction/Distillation Systems

### Oil-Grease Analysis Instruments

### Raw Cellulose Analysis Instruments

### Manual Oil Analysis Instruments

### Semi-Automatic Oil Analysis Instruments

### Fully Automatic Oil Analysis Instruments

### Kjeldahl Nitrogen/Protein Detection Instruments

### Dumas Nitrogen/Protein Detection Instruments

### Dumas C/H/N/S/O Detection Instruments

### Carbon/Sulfur Detection Instruments

### Manual Distillation Apparatus

## Rheometer/Viscosity/Texture Analysis

### Rheometers

- Portable Rheometers
- Benchtop Rheometers

### Viscometers

- Portable Viscometers
- Benchtop Viscometers
- Kinematic Viscometers
- Dynamic Viscometers
- Saybolt Viscometers
- Capillary Viscometers

### Texture Analysis Instruments

## Color/Turbidity/Jar Test Instruments

### Color Measurement Instruments

- Portable Color Measurement Instruments
- Benchtop Color Measurement Instruments

### Turbidity Meters

- Portable Turbidity Meters
- Benchtop Turbidity Meters

### Jar Test Instruments

- Portable Jar Test Instruments
- Benchtop Jar Test Instruments

## Microplate Readers and Washers

### Microplate Readers

- Eliza Microplate Readers
- Eliza Microplate Washers
- Eliza Strip Readers

## BOD/COD/TOC Analysis Instruments

### BOD Analysis Systems

### COD Analysis Systems

### TOC Analysis Systems

## Parametric Milk Analysis Instruments

- Multi-Parameter Milk Analysis Instruments
  - Six-Parameter Instruments
  - Eight-Parameter Instruments
  - Ten-Parameter Instruments
- Somatic Cell Counting Instruments
- Cryoscopes
- Lactose Analysis Instruments
- Colony Counting Instruments

## Particle Size and Zeta Potential

- Particle Size Instruments
- Particle Analysis Instruments
- Zeta Potential Instruments

## Microscope/Refractometer/ Polarimeter

- Microscopes
  - Monocular Microscopes
  - Binocular Microscope
  - Trinocular Microscopes
  - Stereo Microscopes
- Refractometers
  - Portable Refractometers
  - Benchtop Refractometers
- Polarimeters
  - Manual Polarimeters
  - Digital Polarimeters

## Flour and Grain Analysis Instruments

- Humidity/Hectoliter/Density Analysers
  - Portable Density Meters
  - Benchtop Density Meters
  - Moisture Balances
  - Portable Moisture Analyzers
  - Benchtop Moisture Analyzers
  - Humidity/Hectoliter Analyzers
- Gluten/Sedimentation/Falling Number
  - Gluten Index Analyzers
  - Gluten Dryer
  - Gluten Washers
  - Sedimentation Instruments
  - Falling Number Analyzers
- Malt and Phenolic Compound Analyzers
- NIR Systems

## Melting-Freezing Point/Water Activity

- Manual Melting Point Testers
- Automatic Melting Point Testers
- Portable Water Activity Analyzers
- Benchtop Water Activity Analyzers

## Petroleum Products Analysis Instruments

- Flash Point Testers
- Cloud and Pour Point Testers
- Aniline Point Testers
- Dropping Point Testers
- Carbon Mass Balance Testers
- Evaporation Loss Test Apparatus
- Water Separability Testers
- Penetrometers
- Foam Test Instruments
- Oxidation and Corrosion Measurement
- Vapor Pressure Measurement

## Calorimetry/Thermal Analysis

- Differential Scanning Calorimetry (DSC)
- Thermogravimetric Analysis (TGA)
- Differential Thermal Gravimetric Analysis (DTG)
- Differential Thermal Analysis (DTA)
- Thermo Mechanical Analysis (TMA)
- Dynamic Mechanical Analysis (DMA)

## Laboratory Supplies and Consumables

- Chemicals
  - Merck
  - Sigma-Aldrich-Fluka-Supelco
  - Carlo Erba
  - Acros Organics
  - Alfa Aesar
  - ABCR
  - Technical Grade Chemicals and Solutions
- Glass and Plastic Consumables
- Microbiological Testing Products

## Surface Analysis Systems

- Contact Angle Measurement
- Tensiometers

**Elementel Analitik ve Bio Teknolojik Sistemler San. ve Tic. Ltd. Őti.**

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