Automatic Kjeldahl Analyzer

It is an automatic device, integrates distillation and titration functions, design based on classic Kjeldahl nitrogen determination method.

Can easily achieve automatic waste discharge and cleaning of digestion tubes and titration cups, control steam supply and real-time detection of condensation temperature.

Complete microcomputer control. Automatic completion of distillation, titration, calculation, printing, waste discharge and multiple protections.

Melting Point Apparatus

Perfectly integrate video technology into melting point measuring. It not only provides users with reliable melting point test result, but also intuitively displays temperature curve and real-time video image, and achieves the function of save, replay the video etc. It provides better help for users to observe melting process of sample.

Recirculating Chiller

- TECUMSEH compressor in cooling system to ensure cooling efficiency & noise reduction.
- PID temperature controlling technology.
- Over-temperature protection and auto-alarm function
- Automatic water level detection and automatic alarm when low liquid level.
- Water current detection device is adopted. When external cycle closed or blocked, internal cycle will be switched automatically.

Muffle Furnace

- Suitable for Researching with Drying, Plasticity, Batch Measuring, New Material and Ceramic Sintering
- Fine Proof Molded Heating Element
- Auto Tuning, Temperature Calibration, Self-diagnosis Function Available
- Automatic Fault Sensing System
- Double Overheat Safety Device- 1st Controller Overheat Alarm, 2nd Overheat Shut Off Circuit
- Digital Over Temperature Safety Device

Ovens

- Available to Set Temperature’s Increasing, Maintaining and Decreasing Time
- Available to Prevent Temperature Overshoot and Precision Temperature Control
- Uniform Temperature Distribution by Forced Convection of Heat Flow
- Fan Stopping Function with Door Open for Minimize Temperature Change
- Observation Inside through Triple Tempered Glass Window without Door Open
- Upper Vent Hole for Venting Gases
- Auto Tuning and Temperature Calibration Function Installed

Laboratory Centrifuges

- Built to last, these Centrifuges have strong construction yet offering a sleek modern design that will fit into any modern laboratory.
- No compromises on quality. Only the best components are used in manufacturing process.
- Reliability has been retained and improved to give all our range a 3 year warranty as standard.

Shakers

- Precise shaking speed control is ensured by feedback control system.
- Adopting brushless motor, noiseless operation and no overheating of motor is ensured.
- Digital timer with digital display is installed as standard.
- Spring racks, flask clamps, and slide racks can be replaced by one-touch for multipurpose applications.

Ball Mill

- High operational reliability, stable performance, simple structure and easy maintenance.
- Model with speed controller available.
- Displays real time operation speed utilizing rpm meter.

Incubators

- Microprocessor PID auto-tuning controller with digital setting and display.
- Air jacket system ensures uniform temperature distribution in chamber, along with excellent thermal insulation.
- Double-door system and the inner door with tempered glass for heat loss prevention and convenient observation.

Water Distillation Apparatus

- Interior and exterior made of anti-corrosive stainless steel.
- With water leveler installed, it automatically cuts off power supply to stop operation when water level is low.
- Removable cover for easy cleaning, stable performance and easy maintenance.

Plant Growth Chamber

- Features with Controlling Temperature, Humidity and Illuminance at the Same Time
- 10 Step Programming Control and Repeat Operation Function
- Timely Temperature Check with Optional Recorder Installation
- Alarm for Temperature Variation
- Auto Tuning, Temperature Calibration
- Double Overheat Safety Device - 1st Controller Overheat Alarm, 2nd Overheat Shut Off Circuit
Weather Monitoring Station
It is a Complete, Self-contained, Digital Meteorological Monitoring System that provides instant access to weather information like:
- Wind sensor for Speed & Direction,
- Temperature & Relative Humidity,
- Solar Radiation / Sunshine Duration,
- Barometric Pressure,
- Precipitation for rainfall evaporation.
Data logger with 200 day storage capacity & provision for password protection & software with wind rise charts.

Soil Moisture/EC/Temperature Sensor
Whether it’s container pots in a greenhouse or turf on a putting green, the salinity of the root zone is a critical element for healthy plant growth. Irrigation, fertilizers, & crop demand all impact salt concentrations. High levels can damage the plant; low levels can lead to nutrient deficiencies. Identify situations where soil salinity is an issue or where certain moisture and temperature conditions facilitate soil-borne diseases.

Nutrient Meters
Over application of nutrients can be just as detrimental as a deficiency.
It not only impairs plant growth, but may contaminate groundwater or pollute surface waters.
For proper plant nutrition measure nutrient solutions, soils, greenhouse soilless media, water samples and tissue sap for Calcium, Nitrate, Potassium, Sodium, pH, and EC (Conductivity).

Head Space Oxygen Analyzer
- Useful for Headspace oxygen analysis in vials/bottles/sealed containers.
- Also for testing the quality of Nitrogen air cylinders/Generators.
- Can be easily transported to remote locations such as the packaging line.
- Suitable for continuous operation in routine QC/QA testing.
- Used for measurement of many types of modified atmosphere (MAP), or “gas-flushed” packaged foods such as meats, snack foods, fresh vegetables, nuts, fruits, dairy products and ready-to-eat packaged foods including salads.

ATP+ADP+AMP Rapid Hygiene Monitoring
- ATP bioluminescence provides a simple rapid test method for monitoring degree of cleanliness, hygiene and risk and acts as first step to HACCP.
- One of the quickest and most useful methods of finding and tracking the source of bacteria that can contaminate food.
- Useful for rapidly determining if the food preparation and processing environment is clean or not.

Chlorophyll Meter
Instantly measures chlorophyll content or "greenness" of your plants to reduce the risk of yield-limiting deficiencies or costly overfertilization.
Quantifies subtle changes or trends in plant health long before they're visible to the human eye.
Non-invasive measurement; simply clamp the meter over leafy tissue, and receive an indexed chlorophyll content reading (-9.91 to 199.9) in less than 2 seconds.
Assess nitrogen needs by comparing in-field SPAD readings to the university guidelines or to adequately fertilized reference strips.
Research shows a strong correlation between SPAD measurements and leaf N content.

Soil Compaction Meter
- To determine the density of soil and other material.
- Take reading up to 60cm depth
- Save losses up to 30%
- Records 772 data points

Soil Test Kits
- Rugged, lightweight carrying cases with components securely mounted in removable foam-lined trays.
- Technically advanced reagent systems and unique extraction procedures provide fast, simple and extremely accurate soil testing.
- Common measurable parameters: pH, Nitrate Nitrogen, Phosphorus, Potassium, Humus, Calcium, Magnesium, Ammonia nitrogen, Manganese, Aluminium, Nitrite Nitrogen, Sulfur, Chloride, Ferric Iron, Copper

Digital Microscope
Capture high resolution pictures and videos in the field. Zoom up to 40 X and magnify up to 200X. Used to view leaf spot, insect, etc., on leaf/s surface.

Soil Sampler Probes
Using our soil sampler probes you can draw uniform samples for use with your own on-site tests or to send the samples to a lab. Available in different overall lengths, sampling tube lengths & handle lengths.

Water Activity (ERH) Meter
- High precision and resolution for measurement of water activity / Equilibrium relative humidity (ERH).
- Comes with Digital Sensor Technology
- Easy to operate Non-destructive measurement
- International certified calibration standards available
- Absolutely no maintenance and no recurring cost
- Suitable for the laboratory and Production site/on-site monitoring applications
- Sorption Isotherm can be generated for the measurement of moisture content
**Density Meters**
Oscillating U-tube technology for reliable measurement. Has a compact measurement cell with high resolution, measuring density specific gravity and concentration of liquids of any kind by the oscillating U-tube method. The device allows a cost-effective operation with low wastage of samples.

**Refractometers**
- Can be comfortably operated by touchscreen.
- It has an integrated Peltier thermostat for efficient temperature control, which allows very short measuring times at maximum accuracy.

**Polarimeters**
- Includes built-in Peltier precise temperature control system.
- Has automatic photoelectric inspection technology and WINDOWS HMI system.
- By detecting the optical rotation, the density, content and purity of substances etc. can be analyzed and determined.

**Pocket Infrared Thermometer with Laser Pointer**
A quick and easy infrared thermometer, with wrist strap, providing safe temperature measurement where non-contact access is required. Built-in laser pointer identifies target area to assist with accuracy of reading. Range: -30 to 270°C & F, LCD Dimensions: 26 x 26mm

**Electrophoresis Systems**
- Various options available: Horizontal, Vertical, Pulsed Field, 2D gel etc.
- Several gel sizes, plate sizes, buffer volumes available.
- Abundant buffer not only guarantees cooling effects, but also keeps the pH value stable.
- Used for DNA & RNA base composition separation, Microbial composition analysis etc.

**Multifunctional Portable Heavy Metal Analyser**
- Rapid detection: less than 5 minutes with fastest detection less than 30 seconds.
- Wide detection range: typical heavy metal ions for detection includes Cu, Cd, Pb, Zn, Hg, As, Cr, Ni, Mn and Ti, etc.; the measuring type of metal is expandable using a personal computer (PC).
- High precision: up to 1 ppb with a detection limit less than 0.5 ppb.

**Professional 5-in-1 Environment Meter**
5-in-1 professional environment meter designed to measure sound, light, wind speed, humidity and temperature, suitable for professional and home use. Features: Large backlit LCD, Over range indicator, Low battery indicator, Total accuracy for CIE standard Illuminates A (2856K), Supplied in heavy duty carry case.

**Deals with…….**