







Comprehensive SciLab International

Solutions for the Food Indutry

At SciLab International, we specialize in providing technical solutions, laboratory equipment, and consumables for industrial processes in the pharmaceutical, food, cosmetics, and chemical industries, as well as research centers. We support laboratories and production sites with a complete offer that combines reliable products and responsive technical services.

In a sector where food safety and compliance with international standards (HACCP, ISO 22000, IFS) demand strict analytical control, SciLab International offers dedicated solutions for both quality control laboratories and food production lines.

Our product range for the food industry features essential instruments for monitoring critical parameters — from electrochemical measurement devices and HPLC chromatographs to a wide selection of equipment for research, development, and quality control laboratories.

We also deliver innovative enzymatic solutions for biofilm treatment within production systems, including targeted enzymatic processes for their efficient removal. Additionally, we offer in-line and continuous monitoring devices for parameters such as pH, turbidity, conductivity, and dissolved oxygen.

Our service offering includes IQ/OQ/PQ qualification, professional training, and on-site technical support, ensuring your equipment stays compliant, efficient, and fully operational.

To ensure close local support and optimal responsiveness, SciLab International has established technical partnerships with several key players in the biomedical engineering sector across the continent.

These partner companies — recognized for their technical expertise and professionalism — work in close collaboration with us to provide our clients with rigorous service, both commercially and technically.

Our partners are located throughout the African continent: Ethiopia, Egypt, Morocco, Senegal and





Table of contents

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La	IJι	Νd	ILU	ע וי	

1- Kjeldahl protein/nitrogen analyzer	Page 3
2– Dumas protein/nitrogen analyzer	Page 3
3– Soxhlet fat analyzer	Page 3
4– Fiber analyzer	Page 3
5- Polarimeter	Page 4
6- Refractometer	Page 4
7- UV-Visible spectrophotometer	Page 4
8– HPLC systems for various food applications	Page 5
9– Bioreactors	Page 6
10- Incubators-shakers	Page 6
11– Precision and analytical balances	Page 7
12– Halogen moisture analyzer	Page 7
13- pH-meters	Page 8
14– Conductivity meters	Page 8
15- Incubators	Page 9
16– Climatic chambers	Page 9
17– Drying ovens	Page 9
18– Stirrers and baths	Page 10
19- Centrifuges	Page 11
20- Temperature and humidity data loggers	Page 12
21– Microscopes	Page 13
22– Fume hoods	Page 13
23– Ultra-pure water systems	Page 13

Industrial process:

1– On-line turbidity analyzer	Page 14
2– On-line unbreakable pH sensors	Page 14
3– On-line conductivity sensors for boilers	Page 14
4– On-line conductivity sensors	Page 15
5– Enzymatic solutions for biofilms treatment	Page 15





Organic element analysis



Hanon automatic Kjeldahl protein/nitrogen analyzer K1160

- Fully automatic distillation, titration, fault self-test, calculation, printing, waste disposal
- High accuracy burette, can be adjust from 0.2 to 1μL/Step.
- Compliance with FDA 21CFR Part 11 and GMP.
- Measuring range: 0,1 to 240 mg N, with +/-0,5% accuracy and more than 99,5% recovery
- Water consumption: only 0,5lit/min
- Optional autosampler with 24 samples per batch



Hanon automatic Dumas protein/nitrogen analyzer D200

- Hanon Dumas Nitrogen/Protein Analyzer determines the nitrogen/protein content of samples through combustion, purification, reduction, and thermal conductivity detection. It efficiently analyzes a single sample in 4 minutes without pretreatment and reacts in a nontoxic and harmless way to ensure safety and environmental friendliness.
- Detection range / Recovery rate : 0,1 to 500mg N2 / >=99,5%
- Relative std dev. RSD / Limit of detection LOD : <=0,5% / 0,01mg N2
- Autosampler : 120 positions



Hanon automatic Soxhlet fat analyzer SOX606

- One-touch to start extraction, lifting, pre-heating, extraction, dilution, solvent recovery automatically.
- Measuring range: 0,1 to 100% with 1% reproducibility • Temperature range : Room temp. +5°C to 300°C; +/-1°C
- Sample weight: 0,5 to 15g • Capacity per batch: 6
- Solvent cup volume / solvent recovery: 150ml / >=85%
- Display: 7 inches, TFT touch screen



Hanon fiber analyzer F800

- Applies to plant, feed, food and other agricultural products as well as the determination crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemicellulose and acid detergent lignin (ADL).
- Measuring range: 0,1 to 100% with less than 0,4% repeatability.
- Sample weight: 0,5 to 3g
- Capacity per batch: 6
- Pre-heating time / Heating to boinling: 10-12min / 13-15min
- Display: 7 inches, TFT touch screen





Polarimeter, refractometers

and spectrophotometer



Hanon benchtop automatic polarimeter P850

- Measuring modes: Optical Rotation; Specific Rotation; Concentration; Sugar Degree.
- Measuring range : +/-89,99°Arc (+/-0,01°); +/-259°Z
- Repetability: 0,002° optical rotation
- Light source: 589,3nm LED
- Peltier temperature control: 10 to 50°C; +/-0,2°C
- Display: 8 inches, TFT touch screen



Hanon benchtop automatic refractometer A630

- LED cold light source with a working life more than 100000 hours.
- Compliant with FDA 21CFR part.11.
- Suitable for scientific research institutes, petroleum, oil, pharmaceutical, paints, food, daily chemical, sugar and geological prospecting industries.
- Refractive index range: 1.30000 to 1.70000 nD; +/-0,0002.
- Brix range : 0 to 100%; +/-0,1%.
- Temperature control range : 5 to 50°C; +/-0,05°C.
- Display: 7 inches, TFT touch screen.
- Automatic or manual temperature compensation.



Kern & Sohn hand analogue refractometer ORA 32BA

- Hand refractometer for sugar determination, with a wide scope scope of applications: food industry (beverages, fruits and sweets), agriculture (determination of the degree of ripeness of fruits for quality control in harvesting) and restaurants and large-scale catering establishment.
- Brix measuring range : 0 to 32%; +/-0,2% with automatic temperature compensation.



Hanon double-beam UV-Visible spectrophotometer i5

- The main unit and PC software can independently implement functions of Quantitative; Kinetics; Wavelength Scan; Multi Wavelength; DNA/Protein and Data Printing, PC software can complete the function of data processing.
- Wavelength range: 190 to 1100nm; +/-0,5nm
- Bandwidth: 1,8nm
- Photometric range: 0 to 200%T; -3.0 to +3.0A; 0 to 9999C
- Photometric accuracy: +/-0,3%T
- Noise: +/-0,0005A/h.
- Scanning speed: High, middle, low





Liquid chromatography



Knauer AZURA HPLC system, ideally suited for the determination of sugars, organic acids and alcohols

- Complete system, ready to use, with manual injection system and dedicated separation columns.
- Isocratic pump: Max. pressure 862bar and flowrate 0 to 10ml/min.
- Refractive index detector: 1.00 to 1.75 RIU, with temperature control from 30 to 55°C.
- Columns oven: +5 to +85°C; temperature stability +/-0,1°C.
- System control and data processing software.
- Dedicated application notes, according to customer request.



Knauer AZURA HPLC system for the analysis of aflatoxins, especially aflatoxin B1, B2, G1, and G2 in food

- Complete system, ready to use, with automated injection system and dedicated separation column.
- Quaternary pump: Max. pressure 862bar and flowrate 0 to 10ml/min.
- Fluorescence detector: wavelength 200 to 650 nm; +/-2nm.
- UV derivatisation module : Photochemical reactor.
- Columns oven: +5 to +85°C; temperature stability +/-0,1°C.
- Automated sample injection system with 108 samples capacity.
- System control and data processing software.
- Dedicated separation column for Aflatoxins.
- Dedicated application notes, according to customer request.



Knauer AZURA HPLC system for various food analysis

- Complete system, ready to use, with automated injection system and dedicated separation column.
- Quaternary pump: Max. pressure 862bar and flowrate 0 to 10ml/min.
- Uv-Visble detector : simultaneous 8 wavelength; from 190 to 700nm.
- •Columns oven : +5 to +85°C; temperature stability +/-0,1°C.
- Automated sample injection system with 108 samples capacity.
- System control and data processing software.
- Dedicated separation columns according to customer request.
- Complete configuration allowing a wide variaty of applications : polyphenols, additives, urea, amino acids, ascorbic acid, glycosides, tocopherols, water soluble vitamins, mycotoxins and many others.



Bioreactors and incubator-shaker



Applitech Biotech benchtop bioreactor AbioBundle m-Control

- Compact and space-saving design
- Wide working volume range: from 50 mL up to 2.4 L
- Parallel cultivation / multi-reactor capability: multiple m-Control units (up to 32) can be networked for parallel operation
- Efficient temperature control for small volumes (250 mL / 500 mL): a Peltierbased temperature regulation system eliminates the need for an external
- Advanced control algorithms: uses Applitech's AiOpt algorithm for precise and finely tuned process parameter regulation
- Flexible gas control: supports 5 Mass Flow Controllers (MFCs), enabling advanced gas-mixing strategies for aerobic or anaerobic cultures
- Integrated data management: supplied with AbioPIMS Lite or AbioExpert Lite software for process data acquisition, recipe management, traceability, and integration with external devices (cell counters, analyzers, etc.)



Phoenix Instrument incubator-shaker IS-OS 20

- Temperature range / Resolution (°C): Ambient temperature +5 to 60 °C
- Temperature uniformity (at 37 °C): ± 0.5 °C
- Temperature accuracy (°C): ± 0.1
- Timer: 99 h: 59 min or continuous
- Air circulation: forced
- Shaking speed (rpm): 40 to 300
- Orbital shaking amplitude (mm): 20
- Erlenmeyer flask capacity: 28 × 50 mL; 23 × 100 mL; 13 × 250 mL; 8 × 500 mL;
- 4 × 1000 mL; 1 × 2000 mL
- Adjustable safety temperature
- Safety door-open control
- Supplied with a universal platform for various beaker and flask sizes



Balances and moisture analyzer



Kern & Sohn precision balances EWJ

- Large LCD display with 21mm height digits.
- Internal automatic calibration.
- Weighing capacity: from 300 to 6000gr (depending on models).
- Readability: from 0,1 to 0,001gr (depending on models).
- Functions : percentage, weighing with tolerance range, counting, recipe and
- Stainless steel weighing surface : 80/120/135mm diameters or 155x145cm (depending on models).



Kern & Sohn analytical balances ACJ

- Large LCD display with 14mm height digits.
- Internal automatic calibration.
- Weighing capacity: from 82 to 320gr (depending on models).
- Readability: from 0,1 mg (depending on models).
- Functions : percentage, weighing with tolerance range, counting, recipe and more.
- Weighing cell: single-cell advanced technology.
- Stainless steel weighing surface: 91mm diameter.



Kern & Sohn halogen moisture analyzer DAB 200-2

- Blacklit graphic display with 14mm height digits.
- External calibration.
- Weighing capacity: from 200gr.
- Readability weight/moisture : 0,01gr / 0,05%.
- reproductibility weight of sample 2gr/10gr: 1,5% / 0,3%.
- Moisture % / Dry content % : 20 to 100% / 100 to 20%.
- Drying modes : standard, gentle or rapid.



Electrochemistry



Phoenix Instrument portable pH-meter EC-26 pH

- GLP functions.
- Data logger (automatic or manual), 1000 data records.
- Connection to PC via micro-USB.
- Free DATA LINK +.
- Automatic brightness adjustmentprogram number and step, USB pendrive presence, date and time.
- pH measuring range : -2.00 to +16.00 pH.
- Temparatue measuring range : -10°C to +110°C.
- Calibration points: 1 to 3.
- IP-Class : IP 57



Phoenix Instrument benchtop pH-meter EC-45 pH

- Measuring range : -2 to +20 pH.
- Temparatue range : -30 to +130°C.
- Automatic Calibration up to 5 points.
- DHS-function, automatic recognition of DHS- and analog electrodes
- Large, colored graphic display.
- Memory with re-call of last calibration date and time and information of electrode's life.
- Non-volatile memory holds up to 1,000 data points with date/ time in automatic (Data logger) or manual.
- External keypad and can be equipped with a magnetic stirrer.
- GLP function .
- IP54 rated housing handles splashes.



Phoenix Instrument benchtop conductivity meter EC-36 cond

- High-resolution colour display, adjustable brightness.
- Display of Conductivity/TDS and temperature values.
- Automatic conductivity calibration up to 5 points.
- Selectable stability parameter (low-medium-high).
- Automatic and manual temperature compensation.
- Protection class IP 54 and GLP function.
- Adjustable safety temperature.
- Conductivity range : 0 to 200 mS; ajustable accuracy 0,1 μS to 0,1 mS.
- TDS range: 0,1 mg/l to 200g/l.
- Temperature range : 0 to 110°C.





Incubators and ovens



Phoenix Instrument incubators TIN-IN & TIN-IF Basic

- The organic materials used in the typical laboratory application require a constant and gentle heating.
- Available in both versions: Forced air circulation or natural convection
- Volumes from 16 to 200 liters
- Temperature range : from RT+10 °C up to 70 °C
- Temperature variation at 37°C: +/-0,3°C
- Wide blaklit LCD display with control of temperature, time, fan speed and visual/sound alamrs.
- Programs: 7 programs x 10 steps.



Phoenix Instrument climatic chambers CH-150 & CH-250

- The climatic chambers are the ideal instrument to do stability and aging test on materials, simulation of environmental conditions and stress test in several fields such as: pharma, food, textile, packaging, rubber/plastics, etc.
- Volumes: 150 and 250 liters.
- Temperature range : from +10°C to +70°C.
- Humidity range: from 45% RH to 95% RH.
- Safety class: 3.1.
- Integrated mini printer.
- Digital control by PID regulator and GLP functions.



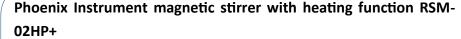
Phoenix Instrument ovens TIN-TN & TIN-TF Basic

- Available in both versions : Forced air circulation or natural convection
- Volumes from 30 to 400 liters
- Temperature range : from RT+5 °C up to 300 °C
- Temperature variation at 37°C: +/-0,5°C
- Wide blaklit LCD display with control of temperature, time, fan speed and visual/sound alamrs.
- Programs : 7 programs x 10 steps.
- Safety class: 3.1.



Stirrers and baths





- Temparture range : RT+5°C to 340°C).
- Speed range: 100 to 1500 rpm.
- Plate in stainless steel with porcelain surface (80mm diameter).
- Connector for PT-1000, integrated control function.
- Digital adjustment with backlit Display .
- Indicator for hot surface, even when stirrer is shut-off.



Phoenix Instrument vortex stirrer Vortexer RS-VA 10

- Touch- or continuous.
- Variable speed 100 to 2,500 rpm.
- Anti-slipping feet.
- Various top frames available.
- Sturdy cast housing.



Phoenix Instrument digital overhead stirrer RSO-40

- Digital stirrer with LCD-display.
- Microprocessor-controlled speed accuracy.
- Smooth start procedure.
- Selectable display of speed/torque.
- RS 232 Interface.
- Sturdy cast housing.
- Max. stirring quantity: 40 liters H2O.
- Speed: 50 to 2200 rpm.
- Max. viscosity: 50.000 mPas.
- Max. torque: 60 Nm.



Ultrasonic bath Phoenix Instrument DU-100S

- Stainless steel tank
- Tank volume 10 lit (also available in 3,2 4,5 6,5 22 and 45 lit
- Electronic controlof all parameters and protections
- Adjustable power from 10 up to 100% Adjustable temperature until 60°C
- deliverd with stainless steel lid and basket and with 60ml cleaning solution



Water bath Phoenix Instrument WB-12

- Stainless steel tank
- Volume: 12 lit (also available in 5 and 22 lit)
- PID control via a colour screen, and alarms setup
- Temperature : until100°C, resolution 0,1°C et homogeneity +/-0,5°C
- Delivered with lid and drain valve









Phoenix Instrument mini centrifuge CD-1012

- Ideal for quick spins, microfiltration of samples, cell separations and many other routine laboratory procedures.
- Max. Speed 10,000 rpm (7,490 g)
- OLED display may switch speed and time;
- Safe, endurable and robust rotor with clamp locking design easy to operate
- Wide voltage technology the speed is not affected by voltage fluctuations high speed accuracy.
- Compatible with 0.5/1.5/2mL×12 tubes+4×PCR8 strips 0.2 mL×44 PCR tubes.
- Central button can adjust the motor speed and supports soft braking and instant stop modes.



Phoenix Instrument refrigerated high speed centrifuge CD-3124R

- Speed: 200 to 15.000 rpm (21,380 g).
- Timer: 30 s to 99 min or continuous.
- Capacity: 24 x 1.5/2 ml, 36 x 0.5 ml, 12 x 5 ml, 18 x 5 ml, 4 x 8 x 0.2 ml
- Temperature : -20 to +40°C.
- Automatic lid locking.
- Acceleration and deceleration time: 25 s, adjustable in 9 steps.
- Aluminium rotos, autoclavable at 121°C.
- 9 programs memory.
- MCA test by TÜV Rheinland.



Phoenix Instrument centrifuge CD-0412

- Speed: 300 to 4.500 rpm (2,490 g).
- Timer: 30 s to 99 min or continuous.
- Capacity: 6 x 15 ml or 12 x 10 ml.
- Rotor: 54° fix angle.
- Brushless motor drive.
- Complies CE, TUV and FCC. MCA test according to IEC/EN61010-2-20.

Page 11







tempmate temperature data logger M1

- •Ideal for recording temperature in laboratory instruments (fridges, freezers, incubators), in tempered rooms (positive or negative), in samples transport (logistics) or in the laboratory premises.
- Temperature range : -30°C to +70°C (-40°C to +80°C with external probe); +/- 0.5° C
- Alarms configuration : 5 points
- Memory: 32000 data.
- Data acquisition interval: 10 sec to 24 h.
- USB data transfer to the PC, with PDF report (data & graph).
- Protection: IP67.
- Options: external probe and wall braket (with screws or magnet).



tempmate temperature and humidity data logger M2 TH

- •Ideal for recording temperature and humidity in laboratory instruments (fridges, freezers, incubators), in tempered rooms (positive or negative), in samples transport (logistics) or in the laboratory premises.
- Temperature range : -30°C to +70°C (-40°C to +90°C with external probe); +/-0,3°C.
- Humidity range : 0 to 100% RH; +/-3% RH
- Alarms configuration: 6 points for temperature and 2 points for humidity
- Memory: 60000 data.
- Data acquisition interval: 10 sec to 11h59min.
- USB data transfer to the PC, with PDF report (data & graph).
- Options : external temperature probe and wall braket (with screws or magnet).



tempmate multi-parameters data logger GM2 TH (GSM 4G/5G data transfer)

- Recorded parameters : temperature, humidity, ambient light, tilt indicator and shock indicator.
- •Ideal for recording temperature and humidity in laboratory premises, in storage areas, in process areas. Perfect for all other parameters in logistics (deliveryt véhicules).
- Temperature range : -30°C to +70°C (-200°C to +100°C with external probe); +/-0,5°C.
- Humidity range: 5 to 95% RH; +/-3% RH
- Alarms configuration : 6 points
- Memory: 50000 data.
- Data acquisition interval: 10 min to 1440 min.
- GSM real time data transfer to the Cloud (data & graph).
- Options : external temperature probe.





Other various equipement



Kern & Sohn binocular microscope OBE 132

• Tube type : binocular.

• Ocular magnifications: 10 x.

• Standard objectives: 4x, 10x, 40x and 100x.

• Illuminance : transmitted light.

• Illumination intensity : 3W—LED.

• Condensor type : Abbe.



SciLab fume hood LFH PP

- Completely made of polypropylene (frame, lower base and work surface): anti -corrosion hood.
- Different internal dimensions: 1200, 1500 and 1800 mm.
- Air speed : 0,5 +/-0,1 m/s..
- Electronic control of all parameters.
- Safety glass front window with mechanical mouvement.
- LED internal white light: 800 Lux.
- Delivered with : sink, water tap, vacuum tap, 4 electric plugs, lower base with storage cabinet, centrifugal fan.



membraPure ultra pure water system Aquinity² P35

- Production of pure water (Type II) and ultra pure water (Type I), directly from tap water.
- Conductivity of produced water: <0,2μS/cm Type I; 0,055μS/cm Type II.
- Resistivity of produced water : >5M Ω .cm Type II; 18,2 M Ω .cm Type I.
- TOC value of produced water : <10ppb for Reagent quality, <5ppb for Life Science quality and <3ppb for Analytical quality.
- Produced rate: 10 lit/h.
- UV lamp: 185nm and 254nm
- 3 versions available : « Reagent » for general lab use, « Analytical » for special techniques (HPLC, ICP, ...) and « Life Science » for cell culture.



Process equipment and consumables



Mettler Toledo on-line turbidity analyzer InPro 8300 RAMS

- The InPro 8300 RAMS (Reflection Absorption Multi-Switch) systems are designed for in-line use in phase-separation and product-identification applications based on turbidity or color.
- For product identification, a "fingerprint" of each product is recorded and stored in the InPro 8300 RAMS' internal memory.

The fingerprint is generated using one or more parameters (e.g., blue transmittance, NIR reflection, or green absorption).

The InPro 8300 RAMS can identify up to eight different products.

- Operating temperature: 0 to 105 °C
- Operating pressure: 10 bar
- Connection / Sensor diameter: Varivent / DN 25 to DN 150
- Hygienic / Biocompatibility approvals
- Measurement span: 400 to 2000 RAMS units



Mettler Toledo on-line, unbreakable pH sensor InPro X1 HLS

- With its unbreakable* X-Chip™ technology, the InPro X1™ HLS offers extremely safe and highly reliable pH measurement for food or beverage production processes.
- pH range : 0 to 14.
- Temperature range: 0 to 80°C (until 100°C for cleaning process)
- Approvals: CE, EHEDG, 3A, EC1935/2004, ATEX/IECEX: Ex ia IIC T6 / T5 / T4 / T3 Ga / Gb, FM: IS Cl. I, II, III, Div 1, GR ABCDEFG / T6, PED, METTLER TOLEDO Quality Certificate.



Mettler Toledo (USA/Switzerland) – 1NPT 0.4C SS HT 1.1 VP Conductivity sensor for boilers

- On-line conductivity sensor for industrial boilers that can measure directly in the blowdown line without sample cooling
- Conductivity range: 10 to 20000
- Cell constant: 0,4 cm⁻¹, accuracy +/-1%
- Temperature range / sensor : Up to 200°C / PT 1000
- Pressure resistance: 17 bar @ 200 °C and 35 bar @ 25 °C
- Connection / Connector : VP (IP68), 1 inch NPT / VarioPin
- Electrode material : Stainless steel 316L
- Measurement technology/ Electrode configuration : Conductive/ 2-electrode



Process equipment and consumables



Mettler Toledo on-line conductivity sensors UniCond

- The sensor can be used to measure everything from ultrapure water to brackish water (up to 50,000 μ S / cm).
- Accuracy : +/-1% until 5,000µS/cm, then +/-5%.
- Adaptable to all types of pipes, thanks to a large variety of fittings (Tri-Clamp and NPTM.
- Max. supported temperature : up to 140°C, depending on models.
- Max. supported pressure: up to 17 bar, depending on models.



Realco enzymatic solution for biofilms treatment Biorem

- New enzymes that handle the hydrolysis of PNAG (exopolysaccharides) and e-DNA (reinforces the cohesion in the biofilm)
- Octavalent enzymatic cocktail (8 enzymes) for a broader spectrum and even more efficiency.
- Efficient from 20°C.
- Natural & renawble resource; safe for operators & equipment; water & energy savings; reduction of production costs.