

**PROWHITE<sup>®</sup>**  
**TEST EQUIPMENT**

# About Us

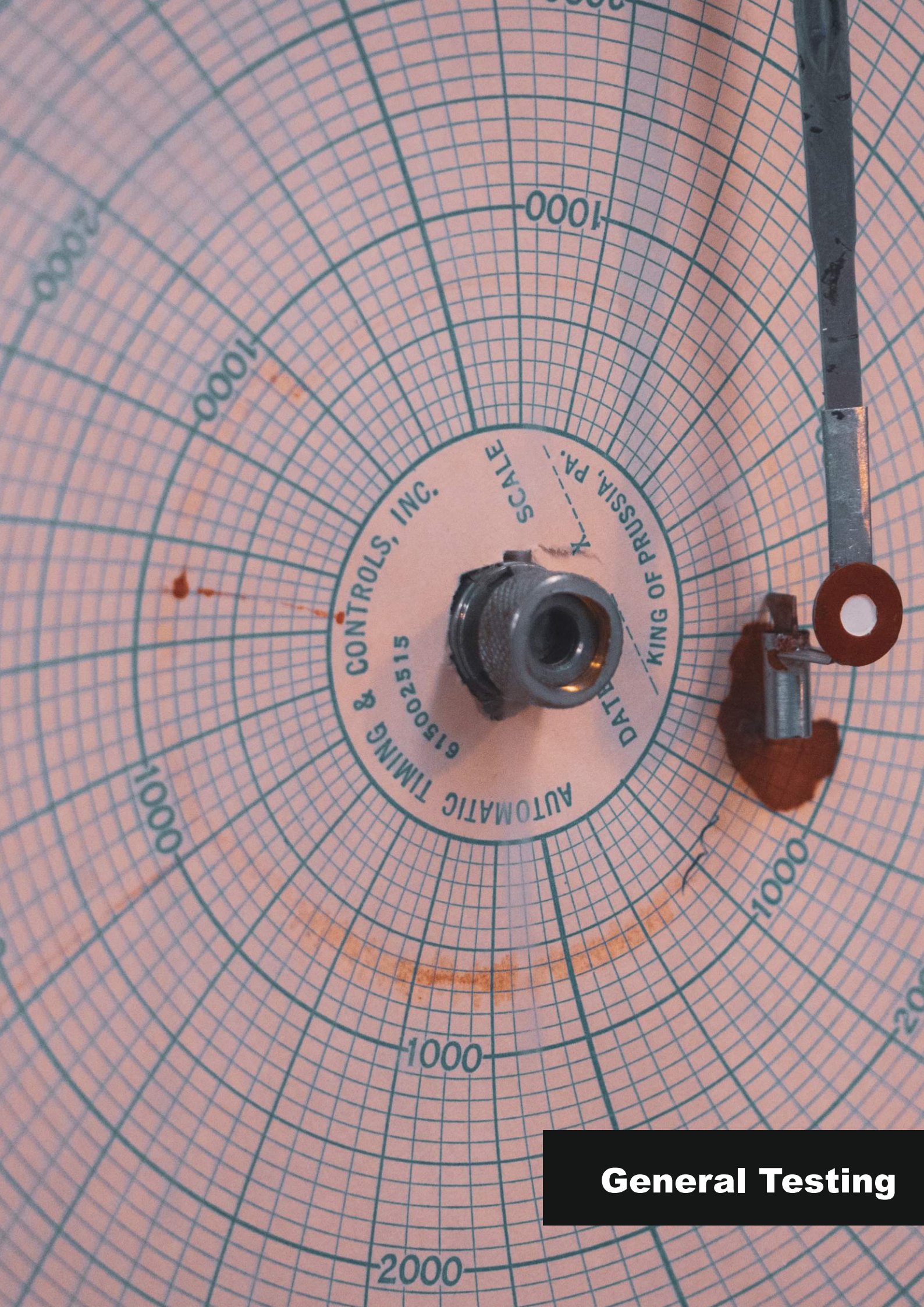
PRO-SER has been producing test equipments and auxiliary test equipments at BS, DIN, ISO, AATCC standards since 1998 till present.

PRO-SER, which offers the entire product portfolio to the end users with the PROWHITE brand, reaches its customers directly to different countries or through its dealers.

PRO-SER company which is formed by combining the founders of the company Seven Yılmaztürk and Cengiz Yılmaztürk's experiences in technology, textile, education and food fields. Today, PRO-SER has become an international company that has been recognized all over the world with its expert staff and wide technological capability. Besides standard testing equipments PRO-SER has the capacity to produce new technological test equipments thus became a solution oriented partner to many other companies all over the world.

The production process of products is done with strict discipline standards in order to guarantee 100% compatibility and continuity. We would like to thank through this catalogue over 3000 customers whom have been trusting and working with us since 1998.





**General Testing**

**G-001**

## TEMPERATURE AND HUMIDITY RECORDER



General Testing Equipment

Processor : Quad Core 64-bit 1.4GHz A53/ARMv8

RAM : 1GB LPDDR2 SDRAM

Wireless LAN : Dual band 2.4 + 5 GHz 802.11.b/g/n/ac

Ethernet : 300Mbps Gigabit, PoE Line Compatible

Bluetooth : Low Energy 4.1/4.2

Memory : Micro SD Card Input + USB Memory Support

Video : HDMI, DSI Screen Port + CSI Camera Port

Audio : 4 pin 3.5 mm Audio + Composite Video Port

USB : 4 x 2.0 + Micro USB 5V/2,5A Power Input

Accuracy :  $\pm 2\%$  RH /  $\pm 0,5^{\circ}\text{C}$

Moisture Measurement Range : 0 ~ 100% RH

Operating Temperature :  $-20^{\circ}\text{C}$  ~  $80^{\circ}\text{C}$

Recording data at every 10 second

Database Connection

Instant analysis of local network data on the browser

Portable

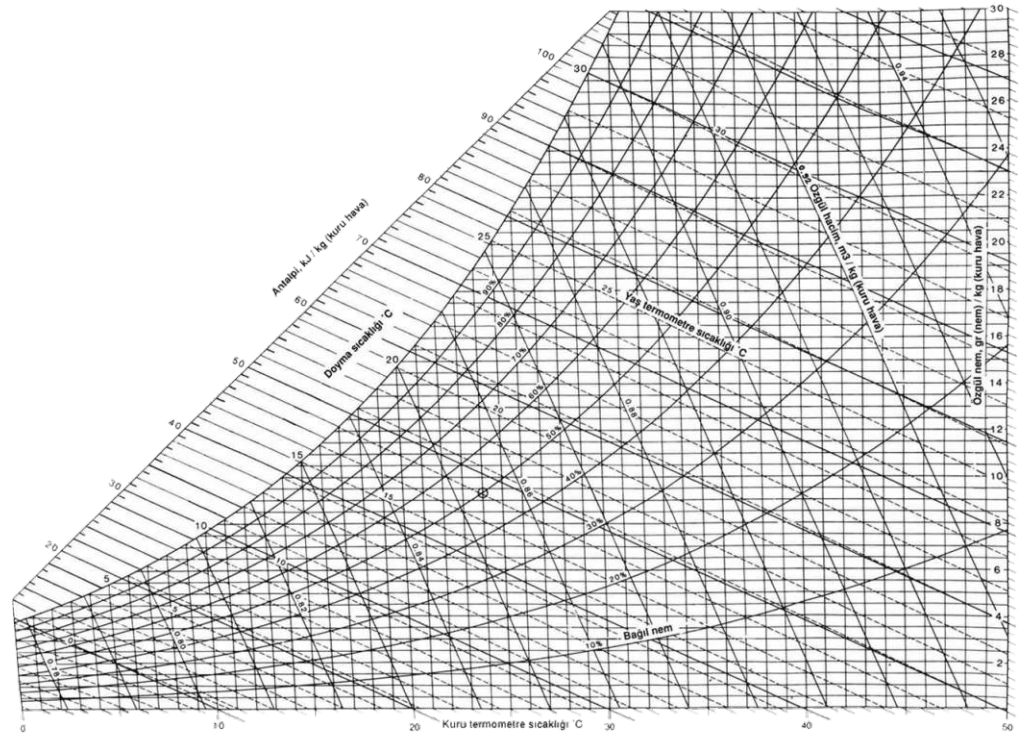
Remote accessible machine interface

Capable of storing data for the last 5 years (can be increased)

# BRANDISH TYPE HUMIDITY METER



It is used to measure the temperature and relative humidity. It is a set with relative humidity ruler. Brandish type humidity measurements are the most sensitive measurement devices.



**G-004**

## MOISTURE ANALYZER



General Testing Equipment

Perfect for routine moisture analysis, moisture analyzer is simple to setup, easy to use by operators of all skill levels and cleans up quickly.

Setting drying method time and temperature is quick using the keypad and LCD backlit display. Product is features a compact design, thus requiring minimal space.

Ideal for food, agriculture, chemical, pharmaceutical and other applications that require measurements up to 0.01% 0.001 g.

Product has a capacity of 90 g allowing for analysis of larger sample sizes.

## PHMETER



Easy-to-use, functional, portable, desktop and area type PH meters for textile, water, waste water, research, quality control and all laboratory practices. It is offered as a set with the standard calibration liquids. Glass or epoxy electrode variations are available according to the using process.

G005-C: Pocket size PH meter

G005-P: Portable type PH meter

G005-M: Table type PH meter

## CONDUCTIVITY METER



Combining all of the features from the benchtop pH and conductivity meter into one multi-meter, makes testing pH, ORP, conductivity, salinity, TDS, resistivity, temperature a seamless process.

A user-friendly bench meter with an innovative design, including an adjustable standalone electrode holder and large backlit LCD display.

A 99-item memory for pH and/or conductivity measurements makes for efficient data documentation. RS232 interface allows for connection to external devices for data storage or transfer.

**G-007**

## HOT PLATE



General Testing Equipment

It is a hot plate which is used in main laboratory tests. It is possible to supply as 400x600mm, 300x450mm and 300x300mm surface. Heating gap is 50...300 C°. The hot plate surface is aluminum or can be of stainless surface.

Available to supply with analog thermostat or digital controller.

**G007-3030:** 300x300mm (A Analog, D Digital)

**G007-3045:** 300x450mm (A Analog, D Digital)

**G007-4060:** 400x600 mm (A Analog, D Digital)

## HEATING MAGNETIC MIXER



Heating magnetic mixers are used for homogeneous format mixing and heating of the samples in Industrial, R&D, University and Medical laboratories. The mixing speed and temperature can be controlled separately.

Temperature controller can be set between 50...250 C°. Analog or digital controller models are available. The temperature can be controlled more precisely in some models, by connecting an external thermometer.

Heating magnetic mixers with 1-10 mixing station are available.

G-009

## MAGNETIC MIXER



General Testing Equipment

Contactless magnetic mixers without heater for sensitive laboratory operations. Speed setting is between 100...1000 r/min. Mixing capacity is 1, 5 lt. Speed can be adjusted. It is made by stainless steel. Models with 1–2–6 and 12 mixing point are available.

**G-010**

## MECHANICAL MIXER



General Testing Equipment

Mechanical mixer with sensitive rotation controller. The mixing time and speed can be set by the digital speed controller. Different axles for different operations and different mixing capacities are available. Mixing speed can be adjusted between 50 and 2000 RPM, and mixing time can be adjusted between 00.01 and 99.99 min. Possibility of ordering different capacities as 1–5 and 50 lt.

G-011

## SHAKER



General Testing Equipment

It is used to shake liquids homogeny in different shapes and volumes. 2 different types: liner shake and circular shake. Special fasten sticks to put Erlenmeyer. Volumetric flasks etc... steady. Shaking speed can be set and possible to shake max. 10 kg.



## VISCOMETER



Synchronized rotation viscometer with electronic engine is a practical way to measure the flow characteristics of liquids. The device is used to measure viscosity according to rotation procedure. It is a set with a special bag, spindle set of 4 pcs, low viscosity measuring spindle and user's guide.

Measuring gap is between 10 to 100.000 cp, rotor speed can be selected as 6, 12, 30, or 60 rpm. Models with digital controller for different operations and different measuring gaps are also available.

## ELECTRONIC PIPETTE



Single and multi channel pipettes, pipette tips, boxes and accessories, ergonomic Rainin pipettes are designed to meet user's needs. In order to assure accuracy and precision the Rainin ergonomic pipettes were calibrated one by one and have ISO 9001 Quality Control Certificate.

Rainin single and multi channel pipette system is Standard and provides ease of use with its variety of all kind of filter tips.

With its proper design it provides ease of use with one hand and can be used for long hour without causing fatigue.

Multi channel pipettes were designed with 8, 12 and 24 channels. The pipette tips can be removed very easily with a mechanical system. Battery power up to 12–14 hours and displayed on digital screen

## OVEN & STERILIZER & INCUBATOR



It is designed for dry sterilization, drying and heating processes in industrial, R&D, university, medical and textile laboratories.

The temperature can be adjusted from +5 to 250 C°. It has a programmable PID microprocessor control system. Temperature and time settings can be controlled with digital display on the device.

The inner part is made of stainless steel and is resistant to chemical materials.

Models of 53-115-240-400-720-840 liters capacity are available.

## MELT FLOW INDEXER MFI



With the device; Method A: Melt Flow Rate measurement, Method B: Melt Volume Flow Rate measurement. Measurement can be made according to ISO 1133 standard Method A and Method B.

The device has a 4.3 color touch screen. The desired inspection temperatures are fast and there is PID temperature control for the actual start-up.

Automatic cutting knife with +/- 0.01 reaction time is available. Cutting knife speed and cutting range can be changed on the screen.

Temperature range: + 100 ° C to + 400 ° C

Temperature Accuracy:  $\pm 0.1$  ° C

There are protective lid and warning symbols on the device that will prevent hot sample spatter.

The special cleaning kit is supplied with the appliance.

Weights given as standard together with device: 1 unit of 0.325 kg, 1 unit of 1.2 kg, 1 unit of 2.16 kg, 1 unit of 5 kg, 1 unit of 5 kg (to complete 10 kg)

Optional Weight: 25kg. a completion weight set.

USB communication port is available as standard.

## AIR CONDITIONS AND CONDITIONING CABIN



Ideal design for creating artificial conditioning, seed germination, plant growing and storing samples of resistance tests towards artificial climate conditions in all type of laboratories such as textile, plastics, chemical, medical, construction, research and agricultural laboratories.

The interior is made from stainless steel. The temperature, humidity, daylight, UV lighting parameters can be adjusted at the desired time by prescribing on the digital controller.

All transactions can be viewed and changed at any stage. Easy using panel, homogeny heat and humidity distribution via heater cooler serpentines with forced air circulation.

Temperature range:  $-10...+50\text{ C}^{\circ}$ .

Humidity range:  $20\%Rh...99\%Rh$ .

Light (Optional): Daylight (5500...6500 Kelvin)

UV-A, UV-B, UV-C

**G-019**

## AIR CONDITIONS FOR CONDITIONING



Accurate temperature and humidity-controlled air conditions for conditioning that has been designed for Industry, R&D, University, Medical and textile laboratory tests of compliance with the standards of environmental conditions, ACREDITATION conditions of supply.

Temperature Range : 10...50 °C ( $\pm 2$  °C)

Humidity Range : 20...99 % rH ( $\pm 2$  % rH)

**G019-125** : Maximum 125 m<sup>3</sup> conditioning capacity.

**G019-300** : Maximum 300 m<sup>3</sup> conditioning capacity.

Flammability Tester

## LABORATORY BALANCES



Laboratory scales show the weighing result in a range of 1 to 5 digits (0.00001g) after the comma.

Accurate and accurate weighing is the first and most important step of a laboratory application. You can increase the chance of getting accurate results in all the analyzes that are started by making repeatable and accurate measurements.

You need reliable weighing from medicine to cosmetics, from food to plastic sector, at every stage of production, quality and R & D.



**some of our references**





**AKSA**

ETİ MADEN İŞLETMELERİ  
GENEL MÜDÜRLÜĞÜ



Valued Quality. Delivered.



NOTTINGHAM  
TRENT UNIVERSITY



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