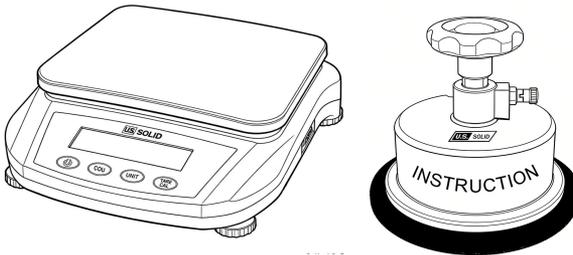




## GSM SCALE



Thank you for choosing U.S. Solid's GSM scale. We are happy to have you as a customer! We want you to get the most out of your new equipment, so we have included a few pointers to get you started.

### INTRODUCTION

The U.S. Solid GSM scale is a professional instrument set designed for the precise measurement of mass per unit area. It is widely utilized in raw material inspection, quality control, and product development across industries such as textiles, non-woven fabrics, paper, plastic films, and leather.

By integrating a high-precision electronic balance with a standard circular sampler, this set ensures standardized sampling and reliable results through a user-friendly process, making it an ideal tool for professional measurement.

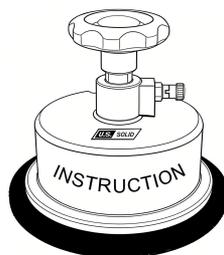
# INSTRUCTION

## SAMPLER

The sampler is crafted from premium aluminum, featuring a safety locking bolt, an anti-slip, wear-resistant base, an ergonomic corrugated handle, and a reinforced rubber cutting pad.

### **Operating instructions:**

1. Positioning: Place the material to be sampled between the sampler and the cutting pad.
2. Unlocking: Pull out the safety locking bolt, rotate it 90° and lock it into the open position.
3. Sampling: Press down firmly on the handle and rotate it 1 – 2 times (maintain downward pressure throughout the rotation).
4. Resetting: After sampling, return the safety bolt to its original locked position.
5. Calculation:  $GSM = \text{Grams} \times 100 (g/m^2)$ .



## BANLANCE

The balance can measure up to 1200g with an accuracy of 0.01g, it features a strain gauge sensor for reliable results, a backlit LCD for clear readings even in low light conditions. This versatile model supports AC/DC power, features an RS232 interface for seamless data transfer, and offers 19 weighing units. Beyond GSM measurement, its high precision makes it ideal for a wide range of weighing applications in laboratories, classrooms, and industrial settings.

### **Operating instructions:**

1. Power On: Connect the balance to the power supply (default AC/ can be equipped with a 4 × 1.5V battery), press the “” key to start. For optimal precision, allow the balance to warm up for 30 minutes before use.
2. Calibration: Press the “TARE/CAL” key to calibrate (the balance doesn’t equip with weights and requires self preparation).
3. Weighing: Place the sample on the weighing pan. Wait approximately 1.5 seconds for the reading to stabilize.
4. Power Off: Once weighing is complete, turn off the balance.



**Note: The balance comes with a comprehensive user manual. We recommend reading it thoroughly for advanced settings and maintenance tips.**